

## Extended Safety Data Sheet Conforms to REGULATION (EU) No 453/2010

## **GROUP 9**

Version: Revision

Issue date: 09/08/21

## NITROGEN FREE P & PK, (CONTAINING ≥10% SUPERPHOSPHATES).

1		mixture and of the company/undertaking				
l.1	Product indentifier					
	Product/Trade name	Nitrogen free P & PK fertilizers, (containing ≥10% superphosphates). As indicated on packaging by PSDS Group 9 marking and nutrient inclusion.				
	Common chemical name	P & PK, compound/blended fertilizer, complex fertilizer, (containing ≥10% superphosphates).				
	Synonyms	N/A Mixture N/A Mixture				
	Chemical formula					
	EU index number	N/A Mixture				
	EC No	N/A Mixture				
	CAS No.	N/A Mixture				
	REACH Registration Number	N/A Mixture				
	National Product Registration	N/A				
	Number, where appropriate.					
.2	Relevant identified uses of the	 substance or mixture and uses advised against				
	Use of the substance/mixture	Fertilizer.				
	Title	Use Descriptors.				
	Manufacturer of substances, ES Ref: 1	PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.				
	Professional Use, ES Ref: 2	PROC 8a, PROC 8b, PROC 9, PROC19, PROC 28, ERC 8b, ERC 8e, PC12, SU1, SU22.				
	Full text of use descriptors see A	Annex to the Extended Safety Data Sheet.				
	Uses advised against	All non-agricultural fertilizer use.				
.3	Details of the supplier of the saf	Fety data sheet				
	Manufacturer/Importer/Suppli	Manufacturer				
		Company name: Mole Valley Forage Services Ltd.				
		Full address.8 shed, North Side, South dock, Alexandra dock, Newport, Gwent, NP20 2NP				
		Tel: 01769 576450				
	Email address of the person					
	responsible for SDS	Email address; reece.woolgar@mvfs.co.uk				
.4	Emergency telephone number	Tel; 01769 576227				
		Out of hours; 07814284067				
2	Hazards identification					
2.1	Classification of the substance of	or mixture				
	Classification in accordance with Regulation 1272/2008	Eye Dam./Irrit. 1, H318				
	(CLP)					
	Hazard statement(s)	H318 Causes serious eye damage.				
	Classification in accordance with Directive 67/548 (DSD)	Xi; R41				
	Risk phrase(s)	R41 Risk of serious damage to eyes.				
.2	Label elements	Labelling in accordance with Regulation 1272/2008 (CLP)				
	Hazard pictogram(s)					
	Signal word	Danger				
	Hazard statement(s)	H318 Causes serious eye damage.				
	Precautionary statement(s)	P280 Wear protective gloves/protective clothing/eye protection/face protection.				
	. ,,	P305+P351+ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.				
		P310 Immediately call a POISON CENTRE or doctor/physician.				
3	Other hazards	None.				
	PBT/vPvB criteria	Not applicable.				

	Other hazards which do not resu	ult in classificati	on				
	Physical and chemical hazards		•	products when I		•	
				hould be noted for	-		us oxides, (e.g. P2O5), sulphur
	Health hazards		kides, (SOx), hydrogen chloride gas and danger of toxic flourine based pyrolosis products may be present. The fertilizers are basically harmless products when handled correctly. However, most important symptoms and effects both the tute and delayed is eye irritation. Prolonged or repeated contact with skin may cause discomfort; ingestion of large quantities ay give rise to gastro-intestinal disorders and inhalation of dust at high concentrations may cause irritation of the nose and				
		may give rise to					
		upper respirato	ry tract with sym	nptoms such as so	ore throat and co	oughing.	
	Environmental hazards		-	se environmenta	l impact such as	eutrophication in confined	surface waters or nitrate
		contamination.	See Section 12.				
3	Composition/information on ing	zredients					
<u> </u>	Substance:	,					
	Hazardous ingredients						
					Classification		
	Chemical name	CAS no.	EC no.	Generic REACH	Classification Regulation (EC)	Classification Directive	% (w/w)
	Chemicarname	CAS 110.	Le no.	Reg No.)	No. 1272/2008	67/548/EEC	76 (W/ W)
				04 2440402057		V: 544	100/
	Triple superphosphate	6E006 0E 4	266-030-3	01-2119493057 33	Eye Dam./Irrit. H318	XI; R41	≥10%
	Tripic superpriospriate	03990-93-4	200-030-3	33	11316		
	Other ingredients	1	1	ı	ı		<u> </u>
	Potassium Chloride	7447 40 7	221 211 0				Variable
	Potassium Chloride	7447-40-7	231-211-8				Variable
	Limestone	1317-65-3	215-279-6				Variable
							10.100.10
	EC no. means EINECS or ELINCS n	iumber.					
4	First aid measures						
4 4.1	Description of first aid measure	<u> </u>					
4.1	•		nedical attention	necessary (see b	nelow)		
				re to dusts to fres			
			attention if ill ef				
	Ingestion	Do not induce v	omiting unless d	lirected to do so	by medical perso	nnel.	
				ty of water to dri	nk.		
			attention immed	•	. A. a. aladada		
	Skin contact	_		s person anything		y. If skin irritation continue	s consult a doctor
				•		of water for at least 15 mi	
	Lyc contact			nt and easy to do			nates.
			attention immed				
4.2	Most important symptoms and	effects, both ac	ute and delayed				
	Acute effects	Corrosive to eve	es; causes seriou	is eve damage			
	Delayed effects	Corrosive to eye	23, causes seriou	is eye damage.			
4.3	Indication of any immediate me		•				
	Note to physician	Treat symptom	atically. Contact	poison centre sp	ecialist immedia	tely if large quantities have	been ingested or inhaled.
5	Fire-fighting measures						
5.1	Extinguishing media						
		If fertilizer is no	t directly involve	ed in the fire			
			-	extinguish the fi	re.		
			olved in the fire				
				Jse plenty of water			
	Unsuitable extinguishing media	טס not use cher	nıcaı extinguishe	ers or toams or at	tempt to smothe	er the fire with steam or sa	na.
5.2	Special hazards arising from the	l substance or m	ixture				
-	Specific hazards	1	or explosion haz	ard.			
	Hazardous thermal		•		(SOx), and dang	er of toxic flourine based p	yrolysis products; Phosphates, (P
	decomposition and	· ·		de gas; Potassiun	-		
	combustion products						
5.3	Advice for firefighters	İ					
	Special fire fighting procedures	_ ·		_		on.	
		_		c); stand up-wind		ptoms may be delayed.	
	Special protective equipment		*	apparatus if fume	•		
	for fire-fighters	SSC & SCH-COILE	ca sicutiiiig t	apparatus il lullic	o are semigente		
<b>-</b>	_	l .					

Accordance   Acc	c	Accidental release measures						
protective equipment and emergency procedures contamination of watercourses.  Any spillage of fertilizer should be contamination of watercourses and drains and inform the appropriate authority in case of accidental contamination and cleaning up contamination of watercourses.  Methods and masterial for any spillage of fertilizer should be cleaned ap promptly, weret up and placed in a clean labelled open container for self containment and cleaning up contains waters and other containment and section 3.1 for waster disposal.  7. Interference to other sections Serve section 1.5 for memograpy contact information, section 8 for personal protective equipment and section 1.3 for waster disposal.  7. Interference to other sections Serve section 1.5 for memograpy contact information, section 8 for personal protective equipment and section 1.3 for waster disposal.  7. Interference to other sections Serve section 1.5 for memograpy contact information on provided in the topocome Section 1.5 for waster disposal.  8. Interference to other sections Serve section 1.5 for waster disposal.  8. Interference to other sections Serve section 1.5 for waster disposal.  8. Interference to other sections Serve section 1.5 for waster disposal.  9. Interference to other sections Serve section 1.5 for waster disposal.  9. Interference to other sections Serve section 1.5 for waster disposal.  9. Interference to other sections Serve section 1.5 for waster disposal.  9. Interference to other sections Serve section 1.5 for waster disposal.  9. Interference to other sections Serve section 1.5 for s	_		Avoid walking +k	rough spilled pr	oduct and ovnes	ure to dust		
Methods and material for care to avoid the contamination of watercurses and inform the appropriate authority in case of accidental contamination and watercurses.		protective equipment and	Avoid Walking ti	irougii spilieu pii	oduct and expos	ure to dust.		
6.3 Methods and material for ontainment and cleaning up of contrainment and co		= -:			ation of waterco	urses and drains	and inform the appropriate	authority in case of accidental
containment and cleaning up  disposal, avoiding dusty conditions.  Dilute any contaminated or fine grained fertilizer with inert materials such as limestone/dolomite, mineral phosphate, gypsum, pand or dissolver in water.  Reference to other sections  See section: 1 for emergency contact information, section 8 for personal protective equipment and section 13 for waste disposal.  7. Handling and storage  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the topsoure Scenario(s).  7.1. Precautions for safe shandling  Anoid excessive generation of dust.  Any out unnecessary exposure to the atmosphere to prevent motiture pick up.  When handling the product over froig periods use appropriate personal protective equipment, e.g. gloves.  Carefully dean all equipment prior to maintenance and repair.  Storage way from consultation and explaints.  Caced away from the sources of head of fire.  Locate away from the sources of head of fire.  When storage for location the interest and interest suntile materials and substances mentioned under section 1.  Any building used for the storage should be dry and well wentilated.  Where the nature of the bagged productation in temperature?  The product should not be bagged productions in temperature?  The product should not be bagged production in temperature?  The product should not be bagged production in temperature?  The product should not be bagged production in temperature?  The product should not be bagged production in temperature?  The product should not be bagged production in temperature?  The product should not be bagged production in temperature?  The product should not be bagged production in temperature?  The product should not be bagged production in the product of copper and prior.  Packaging materials:  Packaging materials:  Pagulate Exposure Initial waster of the substance of one occur.  The information is product to the product of th	6.3	Methods and material for			e cleaned up pro	mptly, swept up	and placed in a clean labelle	ed open container for safe
Dilute any contaminated or fine grained fertilizer with inert maternals such as limestone/dolomite, mineral phosphate, gypsum, said or dissolve in water.  Activities and or dissolve in water.  Pecautions for emergency contact information, section 8 for personal protective equipment and section 13 for waste disposal.  Pecautions for safe shandling.  Anoid excessive generation of dist.  Anoid unscessary exposure to the almosphers to prevent moisture pick-up.  When handling the product over fen personal protective equipment and section 13 for waste disposal.  Pecautions for safe shandling.  Anoid excessive generation of dist.  Anoid unscessary exposure to the almosphers to prevent moisture pick-up.  When handling the product over fen personal protective equipment, e.g. gloves.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maintenance and repair.  Carefully clean all equipment prior to maint								
See section 1 for emergency contact information, section 8 for personal protective equipment and section 13 for waste disposal.    Handling and storage   The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Psource Securicity.			Do not mix with sawdust and other combustible or organic substances.  Dilute any contaminated or fine grained fertilizer with inert materials such as limestone/dolomite, mineral phosphate, gypsum,					
Handling and storage   The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).	6.4	Reference to other sections	I					
The information in this section combine generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Esposure Scannicly.    Precautions for safe handling		See section 1 for emergency con	tact information	, section 8 for pe	rsonal protective	equipment and	section 13 for waste disposa	al.
The information in this section combine generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Esposure Scannicly.    Precautions for safe handling	7	Handling and storage						
Avoid contamination by combustible (e.g. diesel oil, grease, etc.) and/or other incompatible materials.  Avoid unnecessary exposure to the tamosphere to prevent moisture pickup.  When handling the product over long periods use appropriate personal protective equipment, e.g. gloves.  Carefully clean all equipment prior to maintenance and repersonal protective equipment, e.g. gloves.  Carefully clean all equipment prior to maintenance and repersonal protective equipment, e.g. gloves.  Store in compliance with national and local regulations.  Store in compliance with national and local regulations.  Store in compliance with national and local regulations.  Store in compliance with national and local regulations, and use of maintenance and repersonal protective.  When stored loose, take particular care to avoid mainty with other fertilizers.  Personance in physical protection in the product of the product of the product of the product of the storage and use of raised gifts in the arroage areas.  Restrict stacks size loccording to local regulations) and keep at least 1m distance around the stacks of bagged products.  Any building used for the storage should be dry and well eventilated.  Where the nature of the bagged product and climatic conditions or require, store under conditions that will avoid product breakdown due to thermal cycling (wide words of the storage should be dry and well eventilated.  Where the nature of the bagged product and climatic conditions or require, store under conditions that will avoid product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials:  Packaging mater		The information in this section c	_	_	nce. The list of ic	lentified uses giv	ven in section 1 should be co	nsidered for any use-specific
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When handling the product over long periods use appropriate personal protective equipment, e.g. gloves. Carefully clean all engipment prior to maintenance and repair.  Store in compliance with national and local regulations.  I carefully clean all engipment prior to maintenance and repair.  Store in compliance with national and local regulations.  I carefully clean are that the fertilizer is not stored near hay, straw, grain, cleasel oil, etc.  When stored loose, take particular care to avoid mixing with other fertilizers.  I this with the store and the storage areas.  Bestrict stack size (according to local regulations) and keep at least 1m distance around the stacks of bagged products.  Any building used for the storage areas.  Restrict stack size (according to local regulations) and keep at least 1m distance around the stacks of bagged product.  Any building used for the storage areas.  Restrict stack size (according to local regulations) and keep at least 1m distance around the stacks of bagged product.  Any building used for the storage should be dry and well-vertilized.  Where the nature of the bagged product and climatic conditions so require, store under conditions that will avoid product breakdown by the mail cycling (will variation in themperature).  The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials:  Passite synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  Specific end use(s)  As a fertilizer.  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenaric(s).  Regulated Exposure Cenaric(s).  Regulated Exposure Cenaric(s).  Regulated Exposure Cenaric(s).  Limestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable 4mg/m3 Respirable 4mg/m3 Respirable 5mg/m3 Respirable 5mg/m3 Respirable 5mg/m3 Respirable 5mg/m3 Respirable 5mg/m3 Respirable 5m			Avoid contamina	ation by combus	tible (e.g. diesel	oil, grease, etc.)	and/or other incompatible m	naterials.
Carefully clean all equipment prior to maintenance and repair.  Store in compliance with national and local regulations.  On farm, ensure that the fertilizer is not stored near hay, straw, grain, diesel oil, etc.  When stored loose, take particular care to avoid mixing with other fertilizers.  Ensure high standard of housekeeping in the storage area.  Do not permit smoking and use of naked lights in the storage area.  Restrict stack sis feaccording to local regulations) and keep at least 1 midstance around the stacks of bagged products. Any building used for the storage should be dry and well-ventilated.  Where the nature of the bagged product and climatic conditions so require, store under conditions that will avoid product breakdown by thermal cycling flowide variation in temperature).  The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials: Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  Sepolific end use(s)  Seposure controls/personal protection  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  Control parameters  Regulated Exposure limit values  Recommended occupational and consumer exposure limit values (following from the performed CSA):  Not speen  Recommended occupational and consumer exposure limits. (WEL'S), Components.  Value.  Form.  UK EH40 Workplace Exposure Limits, (WEL'S), Components.  Type.  Value.  Form.  Value.  Form.  Value.  Form.  Value.  Form.  Value.  Sorpriable Dust inhalable Dust inhalable Dust inhalable Dust inhalable on 3.1 mg/mg Respirable.  Workers  General population  Oral Not given.  Not given  Not given  Not given  PNE					•	•		
Store in compliance with national and local regulations.			_	-			rsonal protective equipment	t, e.g. gloves.
Including any incompatibilities  Including any incompatibilities  Keep away from oncombustible materials and substances mentioned under Section 10.  On farm, ensure that the fertilizer is not stored near hay, straw, grain, diesel oil, etc.  When stored loose, take particular care to avoid mixing with other fertilizers.  Ensure high standard of housekeeping in the storage area.  Do not permit smoking and use of naked lights in the storage area.  Do not permit smoking and use of naked lights in the storage area.  Any building used for the storage should be dry and well ventilated.  Where the nature of the bagged product and climatic conditions so require, store under conditions that will avoid product breakdown by thermal cycling (wide variation in temperature).  The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials:  Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  Specific end use(s)  Exposure controls/personal protection  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  Lottop parameters  Regulated Exposure limit values  Recommended occupational and consumer exposure limit values  Recommended occupational and consumer exposure limit values (Mollowing from the performed CSA):  UK EH40 Workplace Exposure Limits, (WEL's).  Commended occupational and consumer exposure limit values (Mollowing from the performed CSA):  Wise the performed CSA is 1317-65-3) TWA, (Time Weighted Average Amg/m3 Respirable Dust Dimg/m3 Inhalable Dust Dimg/m	7.2	Candisiana for one for	· ·			•		
Keep away from combustible materials and substances mentioned under Section 10.  On farm, ensure that the fertilizier is not stored near hay, straw, grain, disele oil, etc. When stored loose, take particular care to avoid mixing with other fertilizers. Ensure high standard of housekeeping in the storage areas.  Do not permit smoking and use of naked lights in the storage areas.  Restrict stack size (according to local regulations) and keep at least 1m distance around the stacks of bagged products.  Any building used for the storage should be dry and well ventilated.  Where the nature of the bagged product and climatic conditions so require, store under conditions that will avoid product breakdown by thermal cycling (wide variation in temperature).  The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials: Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  Sepecific end use(s)  Sepcific end use(s)  As a fertilizer.  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  Control parameters  Regulated Exposure limit values  Recommended occupational and consumer exposure limit values (following from the performed CSA):  No specific EU official limit.  UK EH40 Workplace Exposure Limits, (WEL's), Components.  Type.  Value.  Form.  Components.  Limestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable 4mg/m3 inhalation and many many many many many many many many		_	1		_	ations.		
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Ensure high standard of housekeeping in the storage area.  Do not permit smoking and use of naked lights in the storage area.  Restrict stack size (according to local regulations) and keep at least 1m distance around the stacks of bagged products. Any building used for the storage should be dry and well ventilated.  Where the nature of the bagged product and climatic conditions so require, store under conditions that will avoid product breakdown by thermal cycling (wide variation in temperature).  The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials: Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  Packaging materials: Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  Repulated Exposure limit values Recommended occupational and consumer exposure limit values Recommended occupational and consumer exposure limit values (following from the performed CSA):  Workers  Components.  Type.  Value.  Form.  Components.  Type.  Value.  Form.  10mg/m3  Inhalable  Ung/m3  Respirable bust  10mg/m3  Inhalable Dust  Exposure pattern Derived No Effect Level (DNEL)  Workers  General population  Oral Not given.  Not given  Dermal 17.4 mg/lig bw/day  Not given  Dermal 17.4 mg/lig bw/day  Not given  The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  Triple superphosphate  1.7 mg/l  Triple superphosphate  1.7 mg/l  Not given  Not giv						,		
Restrict stack size (according to local regulations) and keep at least 1m distance around the stacks of bagged products.  Any building used for the storage should be dry and well ventilated.  Where the nature of the bagged product and climatic conditions so require, store under conditions that will avoid product breakdown by thermal cycling (wide variation in temperature).  The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials:  Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  8. Exposure controls/personal protection  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  8. Regulated Exposure limit values  Recommended occupational and consumer exposure limit values (following from the performed GSA):  WE H40 Workplace Exposure Limits, (WEL's),  Components. Type. Value. Form.  Components Type. Value. Form.  UK EH40 Workplace Exposure Limits, (WEL's),  Components Type. Value. Form.  UK EH40 Workplace Exposure Limits, (WEL's),  Components Type. Value. Form.  UK EH40 Workplace Exposure Limits, (WEL's),  Components Type. Value. Form.  UK EH40 Workplace Exposure Limits, (WEL's),  Components Type. Value. Form.  UK EH40 Workplace Exposure Limits, (WEL's),  Components Type. Value. Form.  UK EH40 Workplace Exposure Limits, (WEL's),  Components Type. Value. Form.  UK EH40 Workplace Exposure Limits, (WEL's),  Components Type. Value. Form.  Control Mag/m3 Respirable Dust 10mg/m3 Inhalable  Unservice General population  Oral Not given. Not given  Not given  Dermal 17.4 mg/kg bw/day  Not given  The long-term DNEL is considered sufficien			Ensure high star	ndard of houseke	eping in the stor	age area.		
Any building used for the storage should be dry and well ventilated.  Where the nature of the bagged product and climatic conditions so require, store under conditions that will avoid product breakdown by thermal cycling (wide variation in temperature).  The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials: Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fentilizer.  8 Exposure controls/personal protection  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  8.1 Control parameters  Regulated Exposure limit values Recommended occupational and consumer exposure limit values Recommended occupational and consumer exposure limit values (following from the performed CSA):  UK EH40 Workplace Exposure Limits, (WEL'S), Components.  Type. Value. Form.  UK EH40 Workplace Exposure Limits, (WEL'S), Components.  Type. Value. Form.  UK EH40 Workplace Exposure Limits, (WEL'S), Components.  Type. Value. Form.  Umag/m3 Respirable Dust 10mg/m3 inhalable 10mg/m3			· ·	=	_	=		
Where the nature of the bagged product and climatic conditions so require, store under conditions that will avoid product breakdown by thermal cycling (wide variation in temperature).  The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials: Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  Exposure controls/personal protection The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  8.1 Control parameters Regulated Exposure limit values Recommended occupational and consumer exposure limit values (following from the performed CSA):  UK EH40 Workplace Exposure Limits, (WEL's), Components.  UM EH40 Workplace Exposure								acks of bagged products.
breakdown by thermal cycling (wide variation in temperature). The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials: Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  8				_				***
The product should not be stored in direct sunlight to avoid physical breakdown due to thermal cycling.  Packaging materials: Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  Specific end use(s)  As a fertilizer.  Exposure controls/personal protection  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  8.1. Control parameters  Regulated Exposure limit values  Recommended accupational and consumer exposure limit values (following from the performed CSA):  UK EH40 Workplace Exposure Limits, (WEL'S), Components.  Type. Value. Form.  Umestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable unit of the performed CSA):  Exposure pattern Derived No Effect Level (DNEL) Workers General population Oral Not given. Not given Dermal 17-4 mg/kg bw/day Not given Dermal 17-4 mg/kg bw/day Not given The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC fresh water; marine water; mg/l use/release; use/release; use/release; use/release; use/release; use/release; use/release; treatment mg/kg/dw Potassium Chloride Not given Not					-		so require, store under cond	itions that will avoid product
Packaging materials: Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  8 Exposure controls/personal protection  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  8.1 Control parameters  Regulated Exposure limit values Recommended occupational and consumer exposure limit values (following from the performed CSA):  VE EH40 Workplace Exposure Limits, (WEL's), Components.  Type. Value. Form. Limestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable Dust 10mg/m3 Inhalable Limestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable Dust 10mg/m3 Inhalable Limestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable Dust 10mg/m3 Inhalable Limestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable Dust 10mg/m3 Inhalable 10mg/m3 Inhalable Limestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable Dust 10mg/m3 Inhalable 10mg/			I				cal breakdown due to therm	al cycling.
Plastic synthetic materials, steel and aluminum are suitable. Avoid use of copper and zinc.  As a fertilizer.  8 Exposure controls/personal protection  The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Security.  8.1 Control parameters  Regulated Exposure limit values (following from the performed occupational and consumer exposure limit values (following from the performed CSA):  We know that the performed CSA:  We know the performed CSA:  Workers  General population  Oral Not given  Dermal 17.4 mg/kg bw/day Not given  Dermal 17.4 mg/kg bw/day Not given  Dermal 17.4 mg/kg bw/day Not given  The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC  fresh water; mg/l intermittent Sewage Freshwater sediment mg/kg/dw mg/l plant; mg/l plant; mg/l  Triple superphosphate 1.7 mg/l 0.17 mg/l 17 mg/l Not given N			, <b>p</b>			р.,,с.		
8 Exposure controls/personal protection The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  8.1 Control parameters  Recommended occupational and consumer exposure limit values (following from the performed CSA):    WE EH40 Workplace Exposure Limits, (WEL'S),			Packaging mate	rials:				
Seposure controls/personal protection   The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).    Second parameters   Regulated Exposure limit values   Recommended occupational and consumer exposure limit values (following from the performed CSA):			Plastic synthetic	materials, steel	and aluminum a	re suitable. Avoi	d use of copper and zinc.	
The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  8.1 Control parameters  Regulated Exposure limit values  Recommended occupational and consumer exposure limit values (following from the performed CSA):  UK EH40 Workplace Exposure Limits, (WEL's), Components. Type. Value. Form.  Limestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable Dust 10mg/m3 Inhalable 10mg/m3 Inhalable Dust Exposure pattern Derived No Effect Level (DNEL) Workers General population  Oral Not given. Not given Dermal 17.4 mg/kg bw/day Not given The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC fresh water; marine water; mg/l wise/release; treatment plant; mg/l Not given	7.3	Specific end use(s)	As a fertilizer.					
The information in this section contains generic advice and guidance. The list of identified uses given in section 1 should be considered for any use-specific information provided in the Exposure Scenario(s).  8.1 Control parameters  Regulated Exposure limit values  Recommended occupational and consumer exposure limit values (following from the performed CSA):  UK EH40 Workplace Exposure Limits, (WEL's), Components. Type. Value. Form.  Limestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable Dust 10mg/m3 Inhalable 10mg/m3 Inhalable Dust Exposure pattern Derived No Effect Level (DNEL) Workers General population  Oral Not given. Not given Dermal 17.4 mg/kg bw/day Not given The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC fresh water; marine water; mg/l wise/release; treatment plant; mg/l Not given	0	Evnosure controls/personal pro	tection					
Information provided in the Exposure Scenario(s).  8.1 Control parameters  Regulated Exposure limit values Recommended occupational and consumer exposure limit values (following from the performed CSA):	8			dvice and guidar	asa. The list of is	lontified uses giv	on in castion 1 should be se	neidored for any use specific
Regulated Exposure limit values Recommended occupational and consumer exposure limit values (following from the performed CSA):    Second			•	•	ice. The list of it	ientineu uses giv	ven in section 1 should be co	nsidered for any use-specific
Regulated Exposure limit values Recommended occupational and consumer exposure limit values (following from the performed CSA):  UK EH40 Workplace Exposure Limits, (WEL's), Components.  Type. Value. Form. Limestone (CAS 1317-65-3) TWA, (Time Weighted Average 4mg/m3 Respirable Dust 10mg/m3 Inhalable 10mg/m3 Inhalable Dust Exposure pattern Derived No Effect Level (DNEL) Workers General population Oral Not given. Not given Dermal 17.4 mg/g bw/day Not given Inhalation 3.1 mg/m3 Not given The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC  fresh water; marine water; intermittent mg/l use/release; mg/l use/release; treatment plant; mg/l Triple superphosphate 1.7 mg/l 0.17 mg/l 17 mg/l Not given Not g	Q 1		Jane Section (3)	•				
Value   Recommended occupational and consumer exposure limit values (following from the performed CSA):   Limestone (CAS 1317-65-3)   TWA, (Time Weighted Average   Amg/m3   Respirable   Amg/m3   Inhalable   10mg/m3   10mg/m3   Inhalable   1		·	No specific ELL o	fficial limit				
Recommended occupational and consumer exposure limit values (following from the performed CSA):    Components. Type. Value. Form.			No specific LO o	metal mine.				
values (following from the performed CSA):    Limestone (CAS 1317-65-3)   TWA, (Time Weighted Average   4mg/m3   Respirable   4mg/m3   Respirable   Dust   10mg/m3   Inhalable   17.4 mg/kg bw/day   Not given   Not g			UK EH40 Workp	lace Exposure Lir	nits, (WEL's),			
performed CSA):    Amg/m3   Respirable Dust   10mg/m3   Inhalable	and consumer exposure limit	Components.		Type.		Value.	Form.	
Exposure pattern Derived No Effect Level (DNEL)  Workers General population Oral Not given. Not given Dermal 17.4 mg/kg bw/day Not given Inhalation 3.1 mg/m3 Not given The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC fresh water; marine water; Intermittent use/release treatment mg/l plant; mg/l plant; mg/l  Triple superphosphate 1.7 mg/l 0.17 mg/l 17 mg/l Not given Not given Not given Potassium Chloride Not given Not given Not given Not given Not given Not given Limestone Not given Not		values (following from the	Limestone (CAS	1317-65-3) T\	WA, (Time Weigh	ited Average	4mg/m3	Respirable
Exposure pattern Derived No Effect Level (DNEL)  Workers General population Oral Not given. Not given Dermal 17.4 mg/kg bw/day Not given Inhalation 3.1 mg/m3 Not given The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC fresh water; marine water; mg/l use/release; treatment plant; mg/l use/release; treatment plant; mg/l Not given No		performed CSA):					<u> </u>	•
Exposure pattern Derived No Effect Level (DNEL)  Workers General population Oral Not given. Not given Dermal 17.4 mg/kg bw/day Not given Inhalation 3.1 mg/m3 Not given The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC fresh water; marine water; Intermittent Sewage Freshwater sediment mg/kg/dw mg/l plant; mg/l plant; mg/l plant; mg/l  Triple superphosphate 1.7 mg/l 0.17 mg/l 17 mg/l Not given Not given Not given Potassium Chloride Not given Limestone Not given Not give								
Workers General population Oral Not given. Not given Dermal 17.4 mg/kg bw/day Not given Inhalation 3.1 mg/m3 Not given The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC fresh water; marine water; Intermittent Sewage Freshwater sediment mg/kg/dw mg/l wse/release; treatment mg/kg/dw mg/l plant; mg/l  Triple superphosphate 1.7 mg/l 0.17 mg/l 17 mg/l Not given Not given Not given Not given Potassium Chloride Not given Not given Not given Not given Not given Not given Limestone Not given Not			Evnosure nattor	n Derived No Eff	ect Level (DNEL)		TOM8/M3	iiinaiabie Dust
Oral Not given. Not given Dermal 17.4 mg/kg bw/day Not given Inhalation 3.1 mg/m3 Not given The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC    Fresh water;   marine water;   Intermittent   Sewage   Freshwater sediment   mg/kg/dw   mg/l   use/release;   treatment   mg/kg/dw   mg/kg/dw					, ,	on		
Dermal 17.4 mg/kg bw/day Not given Inhalation 3.1 mg/m3 Not given The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC fresh water; marine water; mg/l use/release; mg/l use/release; mg/l plant; mg/l plant; mg/l  Triple superphosphate 1.7 mg/l 0.17 mg/l 17 mg/l Not given Not						- •		
The long-term DNEL is considered sufficient to ensure that effects from acute exposure to the substance do not occur.  PNEC    Fresh water;			_		_			
PNEC    fresh water; mg/l   mg/l   use/release; treatment mg/l plant; mg/l   not given   N			Inhalation 3.1	mg/m3	Not given			
mg/l mg/l use/release; treatment mg/kg/dw  Triple superphosphate 1.7 mg/l 0.17 mg/l 17 mg/l Not given Not given Not given  Potassium Chloride Not given  Limestone Not given Not			_					
Triple superphosphate 1.7 mg/l 0.17 mg/l 17 mg/l Not given Not given Not given Not given  Potassium Chloride Not given Not giv		PNEC		= 1		•		Soil mg/kg/dw
Triple superphosphate 1.7 mg/l 0.17 mg/l 17 mg/l Not given Not giv			mg/l	mg/l			mg/kg/dw	
Potassium Chloride Not given Not giv		Triple superula and	4 7 //	0.17 "	_		NI-A-CO.	Allah ati ia
Limestone Not given Not gi			<u>.                                    </u>			_	_	_
Exposure controls Appropriate engineering measures Appinopriate engineering possible. Hygienic measures When handling the product do not eat, drink or smoke. Wash hands after handling and before eating, smoking and using the				_			_	_
Appropriate engineering measures  Avoid high dust concentration and provide ventilation where necessary. Risk of inhalation must be minimised as much as possible.  Hygienic measures  When handling the product do not eat, drink or smoke. Wash hands after handling and before eating, smoking and using the			Not given	Not given	Not given	Not given	Not given	Not given
measures possible.  Hygienic measures When handling the product do not eat, drink or smoke. Wash hands after handling and before eating, smoking and using the		•						
Hygienic measures When handling the product do not eat, drink or smoke. Wash hands after handling and before eating, smoking and using the			_	concentration ar	nd provide ventil	ation where nec	essary. Risk of inhalation mu	ist be minimised as much as
			l'					
lavatory and at the end of the working period.		Hygienic measures	_	•		moke. Wash har	nas atter handling and before	e eating, smoking and using the
			iavatory and at t	ine ena oi the wo	orking betiog:			

Individual protection	
Respiratory system	If dust concentration is high and/or ventilation is inadequate, use suitable dust mask or respirator with an appropriate filter; EN
	136, EN 140, EN143, EN149, Filters P2
Skin and body	Working clothes.
Hands	Wear suitable gloves (e.g. plastic, rubber or leather) when handling the product over long periods.
Eyes	Recommended: safety glasses with side shields (EN 166). Wear tightly fitting safety goggles, (EN166).
Environmental exposure	Avoid the contamination of watercourses and drains and inform the appropriate authority in case of accidental contamination
controls	of watercourses.
	Do not flush into surface water or sanitary sewer system.

9	Physical and chemical propertie	s			
9.1	Information on basic physical ar	nd chemical properties			
	Appearance	Solid, granular, brown or grey and red or cream and light grey granules unless deliberately coloured during manufacture.			
	Odour	May be acrid with superphosphate inclusion.			
	Odour threshold	Not determined.			
	pH > 3.6 aqueous solution.  Not determined				
	Melting point/freezing point Not determined.				
	Initial boiling point and boiling   Superphosphate decomposes > 200 °C.				
	range Flash point Not determined.				
	•	Not determined.			
	Evaporation rate Flammability (solid, gas)	Not determined.			
	Upper/lower flammability or	Not determined.			
	explosive limits	Not determined.			
	Explosive properties	Not determined.			
	Auto-ignition temperature	Not determined.			
	Decomposition temperature  Superphosphate starts to decompose above appox. 200°C				
	Minimum ignition energy  Not determined.				
	Oxidising properties	Not oxidising.			
	Critical temperature	Not applicable			
	Relative density	Not applicable.			
	Density	Not determined.			
	Loose bulk density	Normally between 1000-1200 kg/m <sup>3</sup> .			
	Vapour pressure at 20°C	Not determined.			
	Vapour density	Not applicable			
	Partition coefficient (n-	Not applicable			
	octanol/water)				
	Viscosity	Not applicable to solids			
	Mean particle size	2-4mm			
	Water solubility	>100 g/l at 20ºC.			
		Hygroscopic - readily picks up moisture from the air.			
	Surface tension	Not surface active (based on molecular structure)			
9.2	Other information				
	-	Not applicable			
	Fat solubility				
	• .	Not applicable			
	Remarks	No further information available.			

10	Stability and reactivity				
10.1	Reactivity	Stable under recommended storage and handling conditions (see section 7, handling and storage).			
10.2	Chemical stability	Stable under recommended storage and handling conditions (see section 7, handling and storage).			
10.3	Possibility of hazardous	When heated, superphosphates can decompose.			
	reactions				
10.4	Conditions to avoid	Heating above 200°C (decomposes to gases).			
		Contamination by incompatible materials.			
		Unnecessary exposure to the atmosphere.			
		Sources of heat or fire close to the product.			
		Heating under confinement.			
		Welding or hot work on equipment or plant which may have contained fertilizer without first washing thoroughly to remove all fertilizer.			
10.5	Incompatible materials	Superphosphates may react or be incompatible with alkalis and is incompatible with Urea.			
10.6	Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced. For fire situation: see section 5.			
		When strongly heated, decomposition products are produced releasing toxic fumes including Phosphorous oxides, (e.g. P2O5), sulphur oxides, (SOx), and danger of toxic flourine based pyrolysis products; Phosphates, and, Hydrogen chloride gas; Potassium Chloride.			
		See also Sections 2 and 9.			

11	Toxicological information			
11.1	Information on toxicological eff	ects		
	Toxicokinetics, metabolism	Not available		
	and distribution			
	Acute toxicity	Ingredients		
		Triple superphosphate	LD50: >2000 mg/kg bw, (rat; male, female, exposure time 4 hours).	
	1	Triple superphosphate	LD50: > 5000 mg/kg bw, (rat; male, female, exposure time 4 hours).	
	Acute inhalation toxicity	· · · · · · · · · · · · · · · · · · ·	LC50: > 5 g/m3, (rat; male, female, exposure time 4 hours).	
		Potassium chloride	LD50: 3020 mg/kg, rat.	
	Local effects			
	Skin irritation	Product	Not irritating (OECD 404)	
	Eye irritation		Irritating (OECD 405)	
	Skin sensitisation Other	Not sensitizing (OECD 429, with triple superphosphate, and, potassium chloride - information derived from practical experience). Prolonged contact may cause irritation and dryness from Limestone.		
	Sub-acute toxicity	Oral 90-day Sub-chronic NOAEL Inhalation; No specific data.	≥ 250 mg/kg bw/day tested on rat, (OECD 422, with triple superphosphate)	
		No known significant effects or o		
	Reproductive toxicity	No known significant effects or o	critical hazards.	
	Carcinogenicity	No known significant effects or o	critical hazards.	
	Remarks	Adverse health effects are consid	dered unlikely when the product is handled and used correctly.	
		prolonged or extended period ca	is such as coughing, wheezing and breathing difficulties. Limestone dust if inhaled over a an, by respirable dust, lead to respiratory system damage and disease. Crystalline silica is 2% by content, (Ref; HSE INDG 463), respirable crystalline silica has been associated with the	
	l=			
12	Ecological information			
l2.1	Toxicity		local and 1970 and 19	
	Triple superphosphate		96-h Acute LC50: >85.9 mg/l, freshwater, (OECD 203).	
		Toxicity to daphnia and other aquatic invertebrates.	72-h Acute LC50: 1.790 mg/l, aquatic invertebrates - Water flea.	
		Toxicity to algae	72-h Acute EC50: > 87.6 mg/l, aqatic plants - Algae.	
		Inhibition of microbial activity	No data.	
	Potassium Chloride	Toxicity to fish.	LC50: 880 mg/l, species Pimephales Promelas, (fathead minnow), 96 hour period, OECD Test Guideline 203.	
		Toxicity to daphnia and other	EC50: 440 - 880 mg/l, species Dapnia Magna, (water flea), 48 hour period, OECD Test Guideline	
		aquatic invertebrates.	202.	
		Toxicity to algae.	EC50: >100 mg/l, species Desmodesmus Subspicatus, (green algae), 72 hour period, OECD Test Guideline 201.	
		Toxicity to bacteria.	EC50: >1000mg/l, activated sludge, 3 hour period, OECD Test Guideline 209.	
12.2	Persistence and degradability	Ingredient name.	No observed effect concentration: 500 mg/l, 7 day period, OECD Test Guideline 210.  Triple superphosphate.	
	Biodegradation	Superphosphates are readily bio	l degradeable in plants and soils and does not show any bioaccumulation phenomena.	
	_	Not applicable.		
	, ,	Ingredient name.	Potassium chloride.	
	Biodegradation			
		· PP		

Limestone.

**Biodegradation** Limestone is non-volatile and inert, it is resistant to degradation and will persist in the environment.

Not applicable.

Low potential for adsorption (based on substance properties).

resistant to degradation and will persist in the environment.

Not considered to be persistent, bioaccumulating or toxic PBT or vPvB.

Hydrolysis Not applicable.

Hydrolysis Not applicable.

coefficient (Kow)

applicable.

12.3

12.4

12.5

12.6

Bioaccumulative potential

Results of PBT and vPvB

Other adverse effects

Mobility in soil

assessment

Ingredient name.

Octanol-water partition

Bioconcentration factor (BCF)

No known effects or significant hazards.

Low potential for bioaccumulation (based on substance properties).

Limestone is

Limestone - not

13	Disposal considerations						
	Waste treatment methods	In accordance w	ith local and nat	ional regulations	disposed by lar	ndfill or incineration.	
13.12	Traste treatment methods			ste water treatm		idini of memeration.	
7	Container					e-used or disposed by landfill	
				n accordance wit			
		Do not remove I	abel until contai	ner is thoroughly	cleaned.		
	Methods of disposal		pending on degree and nature of contamination dispose of by use as fertilizer on farm, as raw material for liquid fertilizer, or				
		to an authorised	•	6.11.			
		national regulat	=	se or this materia	i and its contain	er in a safe way and in accordance with all applicable local and	
		_		the list of wastes	(Commission de	ecision 2000/532/EC)	
Ī	Package waste disposal	-		nove as much as p			
			-			s non-hazardous material or returned for recycling.	
7	Note: see section 7 for safe hand	ling and storage			-		
	, ,						
14	Transport information						
		ADB/BID	ADN/ADNB	IMDG	ICAO/IATA		
		ADR/RID	ADN/ADNR	IMDG	ICAO/IATA		
14.1	UN Number		Not cla	ssified.			
14.2	UN Proper shipping name	Not applicable	Not applicable	Not applicable.	Not applicable		
		пот аррисавіе.	посаррпсавле.	Not applicable.	Not applicable.		
14.3	Transport hazard class(es)		Not cla	ssified.			
-	Packing group			olicable.			
	Label		Not app	olicable.			
	Environmental hazards		Not app				
	Special precautions for user		No	ne.			
	Transport in bulk according						
	to Annex II of MARPOL73/78		Not ap	plicable			
1	and the IBC Code						
15	Regulatory information						
	Safety, health and environment	al regulation/leg	islation specific	for the substanc	e or miyture		
	Sarcty, nearth and chancing	ar regulation, reg	islation specific	TOT THE SUBSTAILE	c or mixture		
15.2	Other regulations  Chemical safety assessment	Decision No 134	Regulation EC 1907/2006 (REACH), EC 2003/2003, 96/82 EC.  Decision No 1348/2008/EC of the European Parliament & of the Council and Commission Regulation (EC) No 552/2009.				
		In accordance with REACH Article 14, a Chemical Safety Assessment has been carried out for the substance Triple				ent has been carried out for the substance Triple	
		superphosphate		e 14, a Chemical	Safety Assessme	ent has been carried out for the substance Triple	
				e 14, a Chemical	Safety Assessme	ent has been carried out for the substance Triple	
16	Other information			e 14, a Chemical	Safety Assessme	ent has been carried out for the substance Triple	
		superphosphate	2.		·	ent has been carried out for the substance Triple	
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	LTEL - Long term exposure limit.  STEL - Short term exposure limit  TWA - Time weighted average.
	mg/kg/bw/day - mg/kg of body weight per day. mg/kg/dw - mg/kg of dry weight.
Training advice	Operators should be provided with information, instruction, training and supervision relative to this Safety Data Sheet and any subsequent COSHH assessment produced by his/her employer.
Date of previous SDS	08/07/2010
Modifications in this version	
References	EFMA/Fertilizers Europe Guidance documents, TFI HPV data; NOTOX gap analysis

## Disclaimer

The information in this Safety Data Sheet is given in good faith and belief in its accuracy based on our knowledge of the substance/preparation concerned at the date of publication. It does not imply the acceptance of any legal liability or responsibility whatsoever by Origin Fertilisers for the consequences of its use or misuse in any particular circumstances.

		ANNEX TO THE EXTENDED SAFETY DATA SHEET.	
	Identification of the substance	or mixture:	
		n. Substance and/or mixtures.	
		Nitrogen free P & PK fertilizers (containing >10% Superphosphates). As indicated on packaging by PSDS Grou	up 9 marking and
	Product name.	nutrient inclusion.	.,,
	Applicable text of H and EUH sta	statements.	
	Eye Irrit. 1	Serious eye damage/eye irritation, Category 1.	
	R41	Risk of serious damage to eyes.	
	H318	Causes serious eye irritation	
	ERC 1	Manufacturer of substances.	
	ERC 8b	Wide dispersive indoor use of reactive substances in open systems.	
	ERC 8e	Wide dispersive outdoor use of reactive substances in open systems.	
	PC12	Fertilizers.	
	PROC 5	Mixing or blending in batch processes for formulation of preparations and articles, (multi-stage and/or signifi	icant contact).
	PROC 8a	Transfer of substance or preparation, (charging/discharging), from/to vessels/large containers at non-dedicat	
	PROC 8b	Transfer of substance or preparation, (charging/discharging), from/to vessels/large containers at dedicated for	acılities.
	PROC 9	Transfer of substance or preparation into small containers, (dedicated filling line, including weighing).	
	PROC 19	Hand mixing with intimate contact and only PPE available.  Manual maintenance (cleaning and repair) of machinery.	
	PROC 28 SU1	Manual maintenance, (cleaning and repair), of machinery.  Agriculture, forestry, fishery.	
	SU3	Industrial uses; e.g. blending operations at factory level.	
	SU10	Formulation, (mixing) of preparations and/or re-packaging, (excluding alloys).	
	SU22	Professional uses; e.g. by farmers, green houses, co-operatives, distributors.	
	ļ	information is based on our current knowledge and is intended to describe the product for the purposes of hea	alth, safety and
	environmental requirements on	only. It should not therefore be construed as guaranteeing any specific property of the product.	and and
	Product exposure scenario(s).		
	ES Type Worker	ES Title ES 1: Manufacture/dry blending of substances.	
	Worker	ES 2: Professional use.	
	WORKET	ES 2.110(cssional asc.	
1.1	EXPOSURE SCENARIO 1		
	MANUFACTURE/DRY BLENDING		
		NG OF	
	SUBSTANCES	ES Ref: 1	
	SUBSTANCES	ES Type: Worker	
	SUBSTANCES Use Descriptors.	ES Ref: 1 ES Type: Worker PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.	
	SUBSTANCES	ES Type: Worker	iterial transfers,
	Use Descriptors. Processes, tasks, activities	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, market substances for use as an agricultural fertilizer.	iterial transfers,
2.1	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, market substances for use as an agricultural fertilizer.	iterial transfers,
	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.	iterial transfers,
	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.  OPERATIONAL CONDITIONS AN Contributing scenario controllin	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.	iterial transfers,
	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.  OPERATIONAL CONDITIONS AN Contributing scenario controllin	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  ing worker exposure, PROC. 5.	iterial transfers,
	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.  OPERATIONAL CONDITIONS AN  Contributing scenario controllin  PROC.5 Use in dry blend  Product characteristics.  Concentration of substance in	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  ing worker exposure, PROC. 5.  Inding where opportunity for exposure arises.  Triple superphosphate;	iterial transfers,
	Use Descriptors. Processes, tasks, activities covered. Assessment method.  OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics.	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  ing worker exposure, PROC. 5.  Inding where opportunity for exposure arises.  Triple superphosphate;  1. 100% as a straight P fertilizer.	iterial transfers,
	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.  OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics.  Concentration of substance in product.	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  ing worker exposure, PROC. 5.  Inding where opportunity for exposure arises.  Triple superphosphate;  1. 100% as a straight P fertilizer.  2. ≥10% in a P or P & K blended fertilizer mixture, (≥10% superphosphates).	iterial transfers,
	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.  OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics.  Concentration of substance in product.  Dustiness.	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  ing worker exposure, PROC. 5.  Inding where opportunity for exposure arises.  Triple superphosphate;  1. 100% as a straight P fertilizer.	iterial transfers,
	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.  OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics.  Concentration of substance in product.	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  ing worker exposure, PROC. 5.  Inding where opportunity for exposure arises.  Triple superphosphate;  1. 100% as a straight P fertilizer.  2. ≥10% in a P or P & K blended fertilizer mixture, (≥10% superphosphates).  Solid, low dustiness.	iterial transfers,
	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.  OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics.  Concentration of substance in product.  Dustiness.  Operational conditions.  Frequency and duration of use.	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  Ing worker exposure, PROC. 5.  Inding where opportunity for exposure arises.  Triple superphosphate;  1. 100% as a straight P fertilizer.  2. ≥10% in a P or P & K blended fertilizer mixture, (≥10% superphosphates).  Solid, low dustiness.	iterial transfers,
	Use Descriptors. Processes, tasks, activities covered. Assessment method. OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics. Concentration of substance in product. Dustiness. Operational conditions.	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  ing worker exposure, PROC. 5.  Inding where opportunity for exposure arises.  Triple superphosphate;  1. 100% as a straight P fertilizer.  2. ≥10% in a P or P & K blended fertilizer mixture, (≥10% superphosphates).  Solid, low dustiness.	iterial transfers,
	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.  OPERATIONAL CONDITIONS AN  Contributing scenario controlling  PROC.5  Use in dry blency  Product characteristics.  Concentration of substance in product.  Dustiness.  Operational conditions.  Frequency and duration of use.  Other given operational conditions affecting worker exposure.	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  ing worker exposure, PROC. 5.  Inding where opportunity for exposure arises.  Triple superphosphate;  1. 100% as a straight P fertilizer.  2. ≥10% in a P or P & K blended fertilizer mixture, (≥10% superphosphates).  Solid, low dustiness.  Covers daily exposures up to 8 hours, (unless stated differently).	iterial transfers,
	Use Descriptors. Processes, tasks, activities covered. Assessment method. OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics. Concentration of substance in product.  Dustiness. Operational conditions. Frequency and duration of use. Other given operational conditions affecting worker exposure. Risk management measures.	ES Ref: 1	iterial transfers,
	Use Descriptors.  Processes, tasks, activities covered.  Assessment method.  OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5  Use in dry blend Product characteristics.  Concentration of substance in product.  Dustiness.  Operational conditions.  Frequency and duration of use.  Other given operational conditions affecting worker exposure.  Risk management measures.  Technical conditions and	ES Ref: 1	iterial transfers,
	Use Descriptors. Processes, tasks, activities covered. Assessment method. OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics. Concentration of substance in product.  Dustiness. Operational conditions. Frequency and duration of use. Other given operational conditions affecting worker exposure. Risk management measures. Technical conditions and measures at process level,	ES Ref: 1	iterial transfers,
	Use Descriptors. Processes, tasks, activities covered. Assessment method. OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics. Concentration of substance in product.  Dustiness. Operational conditions. Frequency and duration of use. Other given operational conditions affecting worker exposure. Risk management measures. Technical conditions and measures at process level, (source), to prevent release.	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  ing worker exposure, PROC. 5.  Inding where opportunity for exposure arises.  Triple superphosphate; 1. 100% as a straight P fertilizer. 2. 210% in a P or P & K blended fertilizer mixture, (≥10% superphosphates).  Solid, low dustiness.  Covers daily exposures up to 8 hours, (unless stated differently).  Indoor  Exposed skin surface assumed.  Two hands and face - 480cm²  Semi-closed process with occasional controlled exposure.	iterial transfers,
	Use Descriptors. Processes, tasks, activities covered. Assessment method. OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics. Concentration of substance in product.  Dustiness. Operational conditions. Frequency and duration of use. Other given operational conditions affecting worker exposure. Risk management measures. Technical conditions and measures at process level, (source), to prevent release. Technical conditions and	ES Ref: 1	iterial transfers,
	Use Descriptors. Processes, tasks, activities covered. Assessment method. OPERATIONAL CONDITIONS AN Contributing scenario controllin PROC.5 Use in dry blend Product characteristics. Concentration of substance in product.  Dustiness. Operational conditions. Frequency and duration of use. Other given operational conditions affecting worker exposure. Risk management measures. Technical conditions and measures at process level, (source), to prevent release. Technical conditions and	ES Ref: 1  ES Type: Worker  PROC 5, PROC 8a, PROC 8b, PROC 9, PROC 28, ERC 1, ERC 8b, ERC 8e, PC12, SU1, SU3, SU10.  Manufacture/dry blending of substances for use as an agricultural fertilizer. Includes re-cycling, recovery, ma storage, maintenance and loading/unloading, (includes marine vessel/barge, road/rail car and containers).  ND RISK MANAGEMENT METHODS.  ing worker exposure, PROC. 5.  Inding where opportunity for exposure arises.  Triple superphosphate; 1. 100% as a straight P fertilizer. 2. ≥10% in a P or P & K blended fertilizer mixture, (≥10% superphosphates).  Solid, low dustiness.  Covers daily exposures up to 8 hours, (unless stated differently).  Indoor  Exposed skin surface assumed.  Two hands and face - 480cm²  Semi-closed process with occasional controlled exposure.  General ventilation. Containment of product.	iterial transfers,

ĺ	O	Managament/supamisian in place to ansure	
	Organisational measures to prevent/limit releases,	Management/supervision in place to ensure compliance with risk assessments, safe	
	dispersion and exposure.	operating procedures and handling aspects with	
	dispersion and exposurer	consideration to occupational exposure	
		controls.	
•	Conditions and measures	Powered full face respirator or dust mask FFP2	
	related to personal protection	, Filter.	
	hygeine and health evaluation	•	
		Powered full face respirator or tightly fitting	
		safety goggles.	
		A washing facility for washing eyes and skin	
		should be present. Eye wash stations should also be provided.	
		Wear suitable gloves tested to EN 374.	Efficacy 90%
		wear suitable gloves tested to LN 374.	Lineacy 50%
2.1.2	Contributing scenario controll	ng worker exposure, PROC. 8a.	
	=	ostance, (charging/discharging), from/to vessels/lar	rge containers at non dedicated facilities.
	Product characteristics.		0
	Concentration of substance in	Triple superphosphate;	
	product.	1. 100% as a straight P fertilizer.	
		2. ≥10% in a P or P & K blended fertilizer mixture	. (≥10% superphosphates).
	Dustiness.	Solid, low dustiness.	(,,
•	Operational conditions.	· ·	
		Covers daily exposures up to 8 hours, (unless	
	Frequency and duration of use	stated differently).	
	Other given operational	Indoor/outdoor.	
	conditions	madol/dutadol.	
- 1	affecting worker exposure.	Exposed skin surface assumed.	Two hands and face - 480cm <sup>2</sup>
	Risk management measures.		
	Technical conditions and	General ventilation. Containment of product.	
	measures to control dispersion from source towards the	Selection and suitability of mobile plant.	
	worker.		
	Organisational measures to	Management/supervision in place to ensure	
	prevent/limit releases,	compliance with risk assessments, safe	
	dispersion and exposure.	operating procedures and handling aspects with	
		consideration to occupational exposure	
		controls.	
	Conditions and measures related to personal protection	Powered full face respirator or dust mask FFP2	
	hygeine and health evaluation		
	,80		
		Powered full face respirator or tightly fitting	
		safety goggles.	
		A washing facility for washing eyes and skin	
		should be present. Eye wash stations should	
		also be provided.	
		Wear suitable gloves tested to EN 374.	Efficacy 90%
112	Contributing seems :	ng worker exposure, PROC. 8b.	
	=		go containers at dedicated facilities
ŀ	Product characteristics.	ostance, (charging/discharging), from/to vessels/lar	ge contamers at dedicated racilities.
	Concentration of substance in	Triple superphosphate;	
	product.	1. 100% as a straight P fertilizer.	
	<b>F</b>	2. ≥10% in a P or P & K blended fertilizer mixture	(>10% superphosphates)
	Dustiness.	Solid, low dustiness.	(£1070 superpriospriates).
	Operational conditions.	John, low dustilless.	
	operational conditions:	Covers daily exposures up to 8 hours, (unless	
	Frequency and duration of use	stated differently).	
•	Other given operational	ladaar/autdaar	
	conditions	Indoor/outdoor.	
	affecting worker exposure.	Exposed skin surface assumed.	Two hands and face - 480cm <sup>2</sup>
	Risk management measures.		
	Technical conditions and	Semi-closed process with occasional controlled	
	measures at process level,	exposure.	
	(source), to prevent release.		
	Technical conditions and	General ventilation. Containment of product.	
	measures to control dispersion from source towards the	Selection and suitability of mobile plant.	
	worker.		
		+	

	Organisational measures to	Management/supervision in place to ensure	
	prevent/limit releases,	compliance with risk assessments, safe	
	dispersion and exposure.	operating procedures and handling aspects with consideration to occupational exposure	
		controls.	
	Conditions and measures	Powered full face respirator or dust mask FFP2	
	related topersonal protection,	Filter.	
	hygeine and health evaluation.		
		Powered full face respirator or tightly fitting	
		safety goggles.	
		A washing facility for washing eyes and skin	
		should be present. Eye wash stations should	
		also be provided.  Wear suitable gloves tested to EN 374.	Efficacy 90%
		wear suitable gloves tested to LN 374.	Efficacy 50%
2.1.4	Contributing scenario controllin	g worker exposure. PROC. 9.	
		tance into small containers, (dedicated filling/pac	king including weighing).
	Product characteristics.		
	Concentration of substance in	Triple superphosphate;	
	product.	1. 100% as a straight P fertilizer.	
		2. ≥10% in a P or P & K blended fertilizer mixture,	(≥10% superphosphates).
	Dustiness.	Solid, low dustiness.	
	Operational conditions.		
	- 11 6	Covers daily exposures up to 8 hours, (unless	
	Frequency and duration of use.	stated differently).	
	Other given operational	Indoor.	
	conditions		
	affecting worker exposure.	Exposed skin surface assumed.	Two hands and face - 480cm <sup>2</sup>
	Risk management measures.		
	Technical conditions and	Semi-closed process with occasional controlled	
	measures at process level, (source), to prevent release.	exposure.	
	Technical conditions and	General ventilation. Containment of product.	
		Building design - physical barriers. Plant design.	
	from source towards the	Selection and suitability of mobile plant.	
	worker.		
	Organisational measures to	Management/supervision in place to ensure	
	prevent/limit releases,	compliance with risk assessments, safe	
	dispersion and exposure.	operating procedures and handling aspects with consideration to occupational exposure	
		controls.	
	Conditions and measures	Powered full face respirator or dust mask FFP2	
	related to personal protection,	Filter.	
	hygeine and health evaluation.		
		Powered full face respirator or tightly fitting	
		safety goggles.  A washing facility for washing eyes and skin	
		should be present. Eye wash stations should	
		also be provided.	
		Wear suitable gloves tested to EN 374.	Efficacy 90%
2.1.5	Contributing scenario controllin	g worker exposure, PROC. 28.	
	PROC. 28 Manual mainter	nance, (cleaning and repair), of machinery.	
	Product characteristics.		
	Concentration of substance in	Triple superphosphate;	
	product.	1. 100% as a straight P fertilizer.	
		2. ≥10% in a P or P & K blended fertilizer mixture,	(≥10% superphosphates).
	Dustiness.	Solid, low dustiness.	
	Operational conditions.		
	Frequency and duration of use.	Covers daily exposures up to 8 hours, (unless	
		stated differently).	
	Other given operational conditions	Indoor.	
	affecting worker exposure.	Exposed skin surface assumed.	Two hands and face - 480cm <sup>2</sup>
	ancomis worker exposure.	Exposed skill surface assumed.	TWO Harras and Tace Toolin

Risk management measures.			
-			
Technical conditions and	Semi-closed process with occasional controlled		
measures at process level,	exposure.		
(source), to prevent release.			
Technical conditions and	General ventilation. Containment of product.		
measures to control dispersion	n Building design - physical barriers. Plant design.		
from source towards the	Selection and suitability of mobile plant, tools		
worker.	and equipment.		
Organisational measures to	Management/supervision in place to ensure		
prevent/limit releases,	compliance with risk assessments, safe		
•			
dispersion and exposure.	operating procedures and handling aspects with		
	consideration to occupational exposure		
	controls.		
Conditions and measures	Powered full face respirator or dust mask FFP2		
related to personal protection,			
hygeine and health evaluation.	•		
	Powered full face respirator or tightly fitting		
	safety goggles.		
	A washing facility for washing eyes and skin		
	should be present. Eye wash stations should		
	also be provided.		
	Wear suitable gloves tested to EN 374. Efficacy 90%		
	wear suitable gloves tested to EN 374.		
Haalah			
Health.			
Long term - systemic effects.			
DNEL	Inhalation: 3.1mg/m³		
	Dermal: 17.4 mg/kg body weight/day.		
	CONTRIBUTING SCENARIO.		
PROC. 5; Use in dry blending w	here opportunity for exposure arises.		
Exposure assessment,	Qualitative approach used to conclude safe use		
(human):	Qualitative approach used to conclude safe use.		
	Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are		
Exposure estimation:	adopted.		
DDOC So. Transfer of substans	re, (charging/discharging), from/to vessels/large containers at non dedicated facilities.		
	e, (charging) discharging), from/ to vessels/rarge containers at non-dedicated racinities.		
Exposure assessment,	Qualitative approach used to conclude safe use.		
(human):	The state of the s		
Exposure estimation:	Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are		
•	adopted.		
PROC. 8b; Transfer of substanc	e, (charging/discharging), from/to vessels/large containers at dedicated facilities.		
Exposure assessment,	Qualitative approach used to conclude only use		
(human):	Qualitative approach used to conclude safe use.		
	Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are		
Exposure estimation:	adopted.		
PROC. 9: Transfer of substance	into small containers. (dedicated filling/packing including weighing)		
	einto small containers, (dedicated filling/packing including weighing).		
Exposure assessment,	into small containers, (dedicated filling/packing including weighing).  Qualitative approach used to conclude safe use.		
	Qualitative approach used to conclude safe use.		
Exposure assessment,	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are		
Exposure assessment, (human): Exposure estimation:	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.		
Exposure assessment, (human): Exposure estimation:	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are		
Exposure assessment, (human): Exposure estimation:	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment,	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.  GUIDANCE TO DOWNSTREAM Health.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.  GUIDANCE TO DOWNSTREAM Health.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e. (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management standards and		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.  GUIDANCE TO DOWNSTREAM Health.  Guidance - Health.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e. (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management standards and		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.  GUIDANCE TO DOWNSTREAM Health.  Guidance - Health.  Environment.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management standards and procedures are adopted in full compliance.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.  GUIDANCE TO DOWNSTREAM Health.  Guidance - Health.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e. (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management standards and		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.  GUIDANCE TO DOWNSTREAM Health.  Guidance - Health.  Environment.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management standards and procedures are adopted in full compliance.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.  GUIDANCE TO DOWNSTREAM Health.  Guidance - Health.  Environment.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management standards and procedures are adopted in full compliance.  Not required.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.  GUIDANCE TO DOWNSTREAM I Health.  Guidance - Health.  Environment.  Guidance - Environment.	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management standards and procedures are adopted in full compliance.  Not required.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.  GUIDANCE TO DOWNSTREAM I Health.  Guidance - Health.  Environment.  Guidance - Environment.  Additional good practise advice Additional good practise	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management standards and procedures are adopted in full compliance.  Not required.		
Exposure assessment, (human):  Exposure estimation:  PROC. 28; Manual maintenance Exposure assessment, (human):  Exposure estimation:  Environment.  GUIDANCE TO DOWNSTREAM I Health.  Guidance - Health.  Environment.  Guidance - Environment.  Additional good practise advice	Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  e, (cleaning and repair), of machinery.  Qualitative approach used to conclude safe use.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.  USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.  Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management standards and procedures are adopted in full compliance.  Not required.		

1.2	EXPOSURE SCENARIO 2			
	PROFESSIONAL USE	ES Re	ef: 2	
		ES Ty	rpe: Worker	
	Use Descriptors.	PROC 8a, PROC 8b, PR	ROC 9, PROC 19, PROC 28. EF	RC 8b, ERC8e, PC12, SU1, SU22.
	Processes tasks activities		· · · · · ·	zers at open field. Fertilization of amenity, (parks, public lawns, sports fields,
	covered.	_		pading of solid fertilizer in bulk, IBC's or sacks. Management of empty bags and
		residual material. Clea	aning and maintenance of e	quipment, minor and major scale.
	Assessment method.			
2.2	OPERATIONAL CONDITIONS AN	D RISK MANAGEMENT	r methods.	
2.2.1	Contributing scenario controllin	g worker exposure, PF	ROC 8a;	
	PROC.8a Transfer of substance, (charging/discharging), from/to vessels/large containers at non dedicated facilities.			ge containers at non dedicated facilities.
	Product characteristics.			
	Concentration of substance in	Triple superphosphat	e;	
	product.	1. 100% as a straight F	P fertilizer.	
			K blended fertilizer mixture,	(≥10% superphosphates).
	Dustiness.	Solid, low dustiness.		
	Operational conditions.	, , , , , , , , , , , , , , , , , , , ,		
		Covers daily exposure	es up to 8 hours, (unless	
	Frequency and duration of use.	stated differently).	es up to o nours, (umess	
	Other given operational conditions	Indoor/outdoor		
	affecting worker exposure.	Exposed skin surface	assumed.	Two hands and face - 480cm <sup>2</sup>
	Risk management measures.	,		
	Technical conditions and	Not applicable.		
	measures at process level,	Trot applicable.		
	(source), to prevent release.			
	Technical conditions and	General ventilation, C	Containment of product.	
	measures to control dispersion		· ·	
	from source towards the	suitability of mobile p		
	worker.			
	Organisational measures to	Management/supervi	ision in place to ensure	
	prevent/limit releases,	compliance with risk a	assessments, safe	
	dispersion and exposure.	operating procedures	and handling aspects with	
		consideration to occu	ipational exposure	
		controls.		
	Conditions and measures		pirator or dust mask FFP2	
	related to personal protection,	Filter.		
	hygeine and health evaluation.			
		Powered full face res	pirator or tightly fitting	
		safety goggles.	pirator or tightly fitting	
			washing eyes and skin	
			e wash stations should	
		also be provided.	e wash stations should	
		Wear suitable gloves	tested to FN 374	Efficacy 90%
		Trear saltable giores	tested to Elvo, ii	2.116464, 5076
2.2.2	Contributing scenario controllin	g worker exposure. PF	ROC. 8b.	
	-	<u> </u>		ge containers at dedicated facilities.
	Product characteristics.	(erial Birig/ discil		g=
		Triple superphosphate	· ·	
	product.	1. 100% as a straight F		
	product.	_		/>
			K blended fertilizer mixture,	(≥10% Superpnospnates).
	Dustiness.	Solid, low dustiness.		
	Operational conditions.	T.		
	Frequency and duration of use.	Covers daily exposure stated differently).	es up to 8 hours, (unless	
	Other given operational conditions	Indoor/outdoor.		
		Exposed skin surface	assumed.	Two hands and face - 480cm <sup>2</sup>
	Risk management measures.			
	Technical conditions and	Not applicable.		
	measures at process level,	Not applicable.		
	(source), to prevent release.			
	Technical conditions and	General ventilation C	Containment of product.	
	measures to control dispersion		· ·	
	from source towards the		,	
	worker.			
		1		

	Organisational measures to prevent/limit releases,	Management/supervision in place to ensure compliance with risk assessments, safe	
	dispersion and exposure.	operating procedures and handling aspects with	
		consideration to occupational exposure	
		controls.	
	Conditions and measures	Powered full face respirator or dust mask FFP2	
	related to personal protection, hygeine and health evaluation.	Filter.	
	nygeme and nearth evaluation.		
		Powered full face respirator or tightly fitting	
		safety goggles.	
		A washing facility for washing eyes and skin	
		should be present. Eye wash stations should also be provided.	
		-	Efficacy 90%
			,
2.2.3	Contributing scenario controllin	g worker exposure, PROC. 9.	
	PROC. 9 Transfer of subs	tance into small containers, (dedicated filling/pac	king including weighing).
	Product characteristics.		
	Concentration of substance in	Triple superphosphate;	
	product.	1. 100% as a straight P fertilizer.	
		2. ≥10% in a P or P & K blended fertilizer mixture,	(≥10% superphosphates).
	Dustiness.	Solid, low dustiness.	
	Operational conditions.	Covers daily expenses up to 9 hours /unla-	
	Frequency and duration of use.	Covers daily exposures up to 8 hours, (unless stated differently).	
	Other given operational conditions	Indoor/outdoor.	
	affecting worker exposure.	Exposed skin surface assumed.	Two hands and face - 480cm <sup>2</sup>
	Risk management measures.  Technical conditions and	Not applicable.	
	measures at process level,	постаррисавие.	
	(source), to prevent release.		
	Technical conditions and	General ventilation. Containment of product.	
		Building design - physical barriers. Selection and	
	from source towards the worker.	suitability of mobile plant.	
	Organisational measures to	Management/supervision in place to ensure	
	prevent/limit releases,	compliance with risk assessments, safe	
	dispersion and exposure.	operating procedures and handling aspects with	
		consideration to occupational exposure	
	0 1111	controls.	
	Conditions and measures related topersonal protection,	Powered full face respirator or dust mask FFP2 Filter.	
	hygeine and health evaluation.	. nec.	
		Powered full face respirator or tightly fitting	
		safety goggles.  A washing facility for washing eyes and skin	
		should be present. Eye wash stations should	
		also be provided.	
		Wear suitable gloves tested to EN 374.	Efficacy 90%
	-		
	Contributing scenario controllin	<del>-</del>	
		th intimate contact and only PPE available.	
	Product characteristics.  Concentration of substance in	Triple superphesephates	
	product.	Triple superphosphate; 1. 100% as a straight P fertilizer.	
	p. 00.000	2. ≥10% in a P or P & K blended fertilizer mixture,	(>10% superphosphates)
	Dustiness.	Solid, low dustiness.	(=1576 Super prioripriotes).
	Operational conditions.		
	Frequency and duration of use.	Covers daily exposures up to 8 hours, (unless	
	Other given operational	stated differently). Indoor/outdoor.	
	conditions		
	affecting worker exposure.	Exposed skin surface assumed.	Two hands and face - 480cm <sup>2</sup>
	Risk management measures.	Not applicable	
	Technical conditions and measures at process level,	Not applicable.	
	(source), to prevent release.		
_			

Technical conditions and measures to worker.  Organisational measures to worker.  Organisational measures to prevent/filmir cleans, dispersion and exposure.  Conditions and measures to prevent/filmir cleans, dispersion and exposure.  Conditions and measures.  Conditions and measures to prevent/filmir cleans, elected to personal protection.  Nystine and health evaluation.  Provemed full face respirator or dispirity filting safety opinion.  Provemed full face respirator or tipinity filting safety opinion.  A waithing facility for waithing eyes and skin should be prevented.  Provemed full face respirator or tipinity filting safety opinion.  A waithing facility for waithing eyes and skin should be prevented.  Provemed full face respirator or tipinity filting safety opinion.  A waithing facility for waithing eyes and skin should be prevented.  Provemed full face respirator or tipinity filting safety opinion.  A waithing facility for waithing eyes and skin should be prevented.  Provemed full face respirator or tipinity filting safety opinion.  A waithing facility for waithing eyes and skin should be prevented.  Provemed full face respirator or tipinity filting safety opinion.  A waithing facility for waithing eyes and skin should be prevented.  Provemed full face respirator or tipinity filting safety opinion.  Provemed full face respirator or tipinity filting safety opinion.  Provemed full face respirator or tipinity filting safety for the full face respirator or tipinity filting safety for the full face respirator or tipinity filting safety opinion.  Provemed full face respirator or full full face respirator or dispirity filting safety opinion.  Provemed full face respirator or dispirity filting safety opinion.  Provemed full face respirator or dispirity filting safety opinion.  Provemed full face respirator or dispirity filting safety opinion.  Provemed full face respirator or dispirity filting safety opinion.  Provemed				
from source towards the suitability of mobile plant and equipment.  Organisational measures to Management/supervision in place to ensure prevent/limit releases, dispersion and exposure.  Conditions and measures related to personal protection, filter.  Negeline and health evaluation.  Powered full face respirator or display fitting safety exposure.  A washing facility for washing eyes and skin should be provided.  Were related to personal protection, filter.  Powered full face respirator or tightly fitting safety exposure.  A washing facility for washing eyes and skin should be provided.  Were related glows tested to EN 374.  Efficacy 90%  2.5 Contributing scenario controlling worker exposures, PROC 28  PROC 28 Manual maintenance, (leaning and repair), of machinery.  Product characteristics.  Concentration of substance in product.  1. 100% as a straight Fertilizer.  2. 2. 100% as a straight Fertilizer.  2. 2. 100% in a Por P. & Melended ferelizer ministure, (±10% superphosphates).  Dustiness.  Other given operational indoor/outdoor.  Frequency and duration of use.  Covers daily exposures up to 8 hours, (unless statement of the process level, tource), to prevent release.  Often given operational indoor/outdoor.  Risk management measures.  Technical conditions and measures to control dispension bidding delegin; physical barriers, Pietri classes, dispersion and exposure.  Marchael conditions and measures to control dispension and exposure.  Conditions and measures and exposure.  Conditions and measures and exposure.  Conditions and measures are observed full face respirator or sightly fitting safety opeglies.  A washing facility for washing eyes and skin should be prevent. June 1000 (1		Technical conditions and	General ventilation. Containment of product.	
Worker.   Organisational measures to prevent/limit releases, dispersion and exposure.   Compliance with risk accessments, safe personal measures and processional conditions and measures.   Provented full face respirator or diskt mask FFP2   related to personal protection.   International exposure controls.		measures to control dispersion	Building design - physical barriers. Selection and	
worker.  Organisational measures to prevent/limit releases, dispersion and exposure.  Conditions and measures to provential management/supervision in place to ensure controls.  Conditions and measures.  Provential for the provided in the		-		
dispersion and exposure.  conditions and measures.  Conditions and measures.  Provered full face respirator or digithly fitting safety speeds.  A washing facility for washing eyes and skin should be present. Fye wash stations should also be provided.  (Wer studded for the state of the state		worker.	, , , , , , , , , , , , , , , , , , , ,	
dispersion and exposure.  conditions and measures.  Conditions and measures.  Provered full face respirator or digithly fitting safety speeds.  A washing facility for washing eyes and skin should be present. Fye wash stations should also be provided.  (Wer studded for the state of the state			Managament/supervision in place to ensure	
conditions and measures related to personal protection. Proveed full face respirator or dust mask FFP2 related to personal protection. Proveed full face respirator or dust mask FFP2 related to personal protection. Proveed full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should be prevented. Were suitable gloves tested to FN 74. Efficacy 90%  2.5. Contributing scenario controlling worder exposure, PROC. 28. Manual maintenance, (cleaning and repair), of machinery.  PROC. 28. Manual maintenance, (cleaning and repair), of machinery.  Product characteristics.  Concentration of substance in product.  Dustiness.  Operational conditions.  Operational conditions.  Operational conditions and measures.  Frequency and duration of use, face and an account of substance in product.  Risk management measures.  Technical conditions and measures.  Fredmical conditions and measures.  Fredmical conditions and measures to control dispersions didling design; physical barriers, Plant design.  General ventilation. Containment of product.  More green provent plant releases, dispersion and exposure.  Conditions and measures to provent full net related to personal protection.  Conditions and measures to provent full net related to personal protection.  Conditions and measures to provent full net related to personal protection.  Conditions and measures to provent full net related to personal protection.  Conditions and measures to provent full net related to personal protection.  Conditions and measures of provent full net related to personal protection.  Conditions and measures of provent full net related to personal protection.  Conditions and measures or provent full net respirator or tightly fitting safety goggles.  A washing findlity for washing eyes and skin should be provided.  Were suitable gives tested to EN 374. Efficacy 90%  DNEL [Inhalation: 3.1 mg/m²]		•	• • • •	
conditions and measures conditions and conditions and conditions and measures conditions and conditions a				
controls.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2  Filter, hygeine and health evaluation.  Powered full face respirator or tightly fitting safety gogdles.  A washing relative to washing eyes and skin should also be provided.  PROC. 28 [Manual maintenance, (sleaning and repair), of machinery.  Product tharectristics.  Concentration of substance in product.  2. £210% in a P or P & K blended fertilizer misture, (£10% superphosphates).  Solid, low dustiness.  Operational conditions.  Frequency and duration of substance in product of the superphosphates of the superpho		dispersion and exposure.		
Conditions and measures related to personal protection, hygeine and health evaluation, hygeine and health evaluation, service of the provided			·	
related to personal protection, hygeine and health evaluation.  Powered full face respirator or tightly fitting safety peggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  We wash testions should also be provided.  2. Contributing scenario controlling worker exposure, PROC. 28.  PROC. 28   Manual maintenance, (cleaning and repair), of machinery.  Product, characteristics.  Concentration of substance in product.  2. 2. 10% in a Por P. B. K blended fertilizer mixture, (210% superphosphates).  Dustiness.  Solid, low dustiness.  Operational conditions.  Frequency and duration of use, stated differently.  Other given operational conditions and measures to process level, (source), to prevent release.  Technical conditions and measures to measure stated differently from source worker.  Organisational measures to prevent/limit releases, odgeneral measures as provided.  Selection and substitution in place to ensure compliance with risk assessments, safe operating process level, (source), to prevent release.  General ventilation. Containment of product.  measures to control dispersion in from source towards the worker.  Organisational measures to prevent/limit releases, odgeneral protection, hygeine and health evaluation.  Powered full face respirator or diptity fitting safety goggles.  A washing facility for washing eyes and skin should also be provided.  Were suitable gloves tested to EN 374.  If Hiscary 90%  DEPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Inhalation: All provided.  Inhalation: 3.1 mg/m*			controls.	
Powered full face respirator or tightly fitting startey goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should she provided.  Were suitable gloves tested to EN 374. Efficacy 90%  PROC. 28 Manual maintenance, (cleaning and repair), of machinery.  Product characteristics.  Concentration of substance in product.  1 1,00% as a straight P fertilize.  2 2.10% in a P or P & K blended fertilizer mixture, (210% superphosphates).  Solid, low distributes.  Operational conditions.  Prequency and duration of use.  Triple superphosphate:  1 1,00% as a straight P fertilize.  2 2.10% in a P or P & K blended fertilizer mixture, (210% superphosphates).  Solid, low distributes.  Operational conditions.  Prequency and duration of use.  Trequency and duration of use.  Sisk management measures.  Technical conditions and measures to prevent release.  Technical conditions and measures to prevent finite release.  Technical conditions and measures to prevent/limit releases.  Technical conditions and measures to prevent/limit releases.  Congruinational measures to prevent/limit releases.  Conditions and measures to prevent/limit releases, dispersion and exposure.  A washing facility for washing eyes and skin should globe personal protection, hygeine and health evaluation.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should glob be provided.  Were suitable gloves tested to EN 374. Efficacy 90%  Powers systemic effects.  DNEL  Inhalation: 3.1 mg/m²			Powered full face respirator or dust mask FFP2	
Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Were a valiable gloves tested to EN 374. Efficacy 90%  Contributing scenario controlling worker exposure, PROC. 28.  PROC. 28 Manual maintenance, (cleaning and repair), of machinery.  Product Characteristics.  Concentration of substance in product.  1. 100% as a straight P fertilizer.  2. 2.10% in a Por E & blended fertilizer mixture, (210% superphosphates).  Dustiness.  Oberational conditions.  Frequency and duration of use.  Other given operational conditions.  Frequency and duration of use.  Risk management measures.  Technical conditions and measures at process level, (source), to prevent release.  Technical conditions and measures at process level, (source), to prevent release.  Technical conditions and measures to prevent release.  Technical control dispersion and suitability of mobile plant, tools and equipment.  Corpariational measures to prevent felase, dispersion and exposure.  Corpariational measures to prevent felase, dispersion and exposure.  Corpariational measures to prevent felase, dispersion and exposure.  Corpariational measures to provided.  Management/Supervision in place to ensure prevent/fulling releases, dispersion and exposure.  Conditions and measures to provided in the complance with six exessments, safe operating procedures and handling aspects with consideration to occupational exposure.  Conditions and measures to provided.  Powered full face respirator or bythly fitting sofety goggles.  A washing facility for washing eyes and skin should be present; the wash stations should also be provided.  Wars suitable gloves tested to EN 374.  Efficacy 90%  Provent felases, dispersion of the stations should also be provided.  Wars a suitable gloves tested to EN 374.  Efficacy 90%		related to personal protection,	Filter.	
Safety poggles.   A washing facility for washing eyes and skin should law provided.   A washing facility for washing eyes and skin should lake provided.   A washing facility for washing eyes tested to EN 374.   Efficacy 90%		hygeine and health evaluation.		
Safety poggles.   A washing facility for washing eyes and skin should law provided.   A washing facility for washing eyes and skin should lake provided.   A washing facility for washing eyes tested to EN 374.   Efficacy 90%				
A vashing facility for washing eyes and skin should also be provided.  Wear suitable gloves tested to EN 374. Efficacy 90%  2.5. Contributing scenario controlling worker exposure, PROC. 28.  PROC. 28. Manual maintenance, (cleaning and repair), of machinery.  Product characteristics.  Concentration of substance in product.  Dustiness. Objections of substance in product.  Outliness. Objections of substance in product.  Prequency and duration of use.  Frequency and duration of use.  Covers daily exposures up to 8 hours, (unless stated differently).  Other given operational conditions.  Frequency and duration of use.  Covers daily exposures up to 8 hours, (unless stated differently).  Indoor/outlodor.  Exposed skin surface assumed. Two hands and face - 480cm²  Risk management measures.  Technical conditions and measures to control dispersion from source towards the worker.  Organisational measures to prevent/interfeases, dispersion and exposure.  Conditions and measures to prevent/interfeases, dispersion and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2  Filter.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should per prevent, full manual face in the provided.  Wear suitable glows tested to EN 374. Efficacy 90%  DNEL  Inhalation: 3.1 mg/m¹			Powered full face respirator or tightly fitting	
should be present. Eye wash stations should also be provided.  Wear suitable glowes tested to EN 374. Efficacy 90%  Concentration of substance in product.  1 Triple superphosphate; 1 100% as a straight P fertilizer. 2 120% in a por P & & Ibended fertilizer mixture, (>10% superphosphates).  Oustiness.  Operational conditions.  Frequency and duration of use.  Other given operational conditions.  Frequency and duration of use.  Other given operational conditions.  Frequency and duration of use.  Risk management measures.  Technical conditions and measures.  February (Source), to prevent release.  General ventilation. Containment of product.  Building design - physical barriers. Plant design.  General ventilation. Containment of product.  Building design - physical barriers. Plant design.  General ventilation. Containment of product.  Building design - physical barriers. Plant design.  Granisational measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent prediction, hygeine and health evaluation.  Powered full face respirator or dust mask #FP2  Filter.  Powered full face respirator or dust mask #FP2  Filter.  Powered full face respirator or tightly fitting tafety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374. Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.			safety goggles.	
should be present. Eye wash stations should also be provided.  Wear suitable glowes tested to EN 374. Efficacy 90%  Concentration of substance in product.  1 Triple superphosphate; 1 100% as a straight P fertilizer. 2 120% in a por P & & Ibended fertilizer mixture, (>10% superphosphates).  Oustiness.  Operational conditions.  Frequency and duration of use.  Other given operational conditions.  Frequency and duration of use.  Other given operational conditions.  Frequency and duration of use.  Risk management measures.  Technical conditions and measures.  February (Source), to prevent release.  General ventilation. Containment of product.  Building design - physical barriers. Plant design.  General ventilation. Containment of product.  Building design - physical barriers. Plant design.  General ventilation. Containment of product.  Building design - physical barriers. Plant design.  Granisational measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent prediction, hygeine and health evaluation.  Powered full face respirator or dust mask #FP2  Filter.  Powered full face respirator or dust mask #FP2  Filter.  Powered full face respirator or tightly fitting tafety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374. Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.			A washing facility for washing eyes and skin	
Also be provided.   Efficacy 90%				
Wear suitable gloves tested to EN 374.   Efficacy 90%			, ,	
PROC. 28   Manual maintenance, (cleaning and repair), of machinery. Product characteristics. Concentration of substance in product. Dustiness.  Dustiness.  Operational conditions. Frequency and duration of use stated differently. Other given operational conditions affecting worker exposure. Risk management measures. Technical conditions and measures at process level, (source), to prevent release. Fechical conditions and measures to prevent/flinit releases, dispersion and exposure.  Management/supervision in place to ensure compliance with risk assessments, safe operating procedures and handling aspects with consideration to occupational exposure (control). Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit releases, dispersion and exposure.  Conditions and measures to prevent/flinit release, dispersion and exposure.  Conditions and measures to prevent/flinit release, dispersion and exposure.  Conditions and measures to prevent release.  Powered full face respirator or tightly fitting safety googles.  A washing facility for washing eyes and skin should also be provided.  Wear suitable gloves tested to E				Efficacy 90%
PROC. 28 Manual maintenance, (cleaning and repair), of machinery.  Product characteristics.  Concentration of substance in product.  1 100% as a straight P fertilizer. 2 2 210% in a P or P & K blended fertilizer mixture, (210% superphosphates).  Dustiness.  Operational conditions.  Frequency and duration of use. Covers daily exposures up to 8 hours, (unless stated differently).  Other given operational conditions affecting worker exposure. Risk management measures. Technical conditions and measures at process level, (source), to prevent release. Technical conditions and measures to control dispersion and exposure.  Organisational measures to prevent/limit releases, dispersion and exposure.  Conditions and measures to prevent/limit releases, and equipment.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2 Filter.  Provered full face respirator or dust mask FFP2 Filter.  Powered full f	ŀ		Treat suitable Biores tested to 2.1.57 ii	2.110004 3070
PROC. 28 Manual maintenance, (cleaning and repair), of machinery.  Product characteristics.  Concentration of substance in product.  1 100% as a straight P fertilizer. 2 2 210% in a P or P & K blended fertilizer mixture, (210% superphosphates).  Dustiness.  Operational conditions.  Frequency and duration of use. Covers daily exposures up to 8 hours, (unless stated differently).  Other given operational conditions affecting worker exposure. Risk management measures. Technical conditions and measures at process level, (source), to prevent release. Technical conditions and measures to control dispersion and exposure.  Organisational measures to prevent/limit releases, dispersion and exposure.  Conditions and measures to prevent/limit releases, and equipment.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2 Filter.  Provered full face respirator or dust mask FFP2 Filter.  Powered full f	25	Contributing scenario controllin	g worker exposure DBOC 28	
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Concentration of substance in product.  1. 100% as a straight P fertilizer. 2. 210% in a or P & K blended fertilizer mixture, (210% superphosphates).  Dustiness.  Operational conditions.  Frequency and duration of use. Covers daily exposures up to 8 hours, (unless stated differently).  Other given operational conditions affecting worker exposure. Risk management measures. Technical conditions and measures at process level, (source), to prevent release. Technical conditions and measures to control dispersion from source towards the worker.  Organisational measures to preventy/limit releases, dispersion and exposure.  Conditions and measures to preventy/limit releases, dispersion and exposure.  Conditions and measures to preventy/limit releases, dispersion and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2   Filter. Powered full face respirator or dust mask FFP2   Filter. Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should he present. Eye wash stations should also be provided.  Wear suitable gloves tested to En 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Inhalation: 3.1 mg/m*			iance, (cleaning and repair), or machinery.	
product:  1. 100% as a straight P fertilizer. 2. 2.10% in a P or P & K blended fertilizer mixture, (≥10% superphosphates).  Solid, low dustiness.  Operational conditions.  Frequency and duration of use. Covers daily exposures up to 8 hours, (unless stated differentity).  Other given operational conditions and measures.  Technical conditions and measures at process level, (source), to prevent release.  Technical conditions and measures to provent release.  Technical conditions and measures to order dispersion brown source.  Organisational measures to prevent/limit releases, dispersion and equipment.  Organisational measures to prevent/limit releases, dispersion and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2 Filter.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should also be provided.  Wear suitable glows tested to EN 374.  Done term - systemic effects.  DNEL  Inhalation: 3.1 mg/m*				
Dustiness.  Dustiness.  Solid, low dustiness.  Operational conditions.  Frequency and duration of use control dispersion affecting worker exposure.  Risk management measures.  Technical conditions and measures at process level, (source), to prevent release.  Technical conditions and measures to control dispersion from source towards the worker.  Organisational measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures to prevent/limit release, dispersion and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Conditions and measures  related to personal protection, hygeine and health evaluation.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE:  Inhalation: 3.1 mg/m²			Triple superphosphate;	
Dustiness.  Departional conditions. Frequency and duration of use.  Covers daily exposures up to 8 hours, (unless stated differently).  Other given operational conditions affecting worker exposure.  Exposed skin surface assumed.  Two hands and face - 480cm²  Risk management measures.  Technical conditions and measures at process level, (source), to prevent release.  Technical conditions and measures to control dispersion from source towards the worker.  Organisational measures to prevent/initr releases, dispersion and exposure.  Conditions and measures to prevent/initr releases, dispersion and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2 Filter.  Powered full face respirator or dust mask FFP2 Filter.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Inhalation: 3.1 mg/m²  Inhalation: 3.1 mg/m²		product.	1. 100% as a straight P fertilizer.	
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Frequency and duration of use.  Covers daily exposures up to 8 hours, (unless stated differently).  Indoor/outdoor.  Exposed skin surface assumed.  Two hands and face - 480cm²  Exposed skin surface assumed.  Two hands and face - 480cm²  Two hands a		Dustiness.	Solid, low dustiness.	
Stated differently .   Indoor/outdoor.   Indoored Indoor.   Indoor.   Indoor.   Indoor.   Indoor.   Indoor.   In	İ	Operational conditions.		
Stated differently .   Stated differently .   Stated differently .   Stated differently .   Stated differently .   Indoor/outdoor.   Indoored Indoor.   Indoor.   Indoor.   Indoor.   Indoor.   Indoor.   In	l		Covers daily exposures up to 8 hours, (unless	
indoor/outdoor.  affecting worker exposure.  Risk management measures.  Technical conditions and measures at process level, (source), to prevent release.  Technical conditions and measures to control dispersion from source towards the worker.  Organisational measures to prevent/limit releases, dispersion and exposure.  Conditions and measures to prevent/limit releases, dispersion and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Inhalation: 3.1 mg/m²		Frequency and duration of use.		
affecting worker exposure.  Risk management measures.  Technical conditions and measures at process level, (source), to prevent release.  Technical conditions and measures to control dispersion from source towards the worker.  Organisational measures to prevent/imit release, objection and suitability of mobile plant, tools and equipment.  Organisational measures to prevent/imit release, objection and suitability of mobile plant, tools and equipment.  Organisational measures to prevent/imit release, objection and suitability of mobile plant, tools and equipment.  Conditions and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2 [Filter.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Inhalation: 3.1 mg/m²	İ	Other given operational		
Risk management measures.  Technical conditions and measures at process level, (source), to prevent release.  Technical conditions and measures to control dispersion from source towards the worker.  Organisational measures to prevent/limit release, dispersion and exposure.  Conditions and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Conditions and measures  related to personal protection, hygeine and health evaluation.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Inhalation: 3.1 mg/m³		conditions	Indoor/outdoor.	
Technical conditions and measures at process level, (source), to prevent release.  Technical conditions and measures to control dispersion from source towards the worker.  Organisational measures to prevent/limit releases, dispersion and exposure.  Conditions and measures to prevent/limit releases, dispersion and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2 related to personal protection, hygeine and health evaluation.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Inhalation: 3.1 mg/m²		affecting worker exposure.	Exposed skin surface assumed.	Two hands and face - 480cm <sup>2</sup>
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measures at process level, (source), to prevent release.  Technical conditions and measures to control dispersion from source towards the worker.  Organisational measures to prevent/limit releases, dispersion and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2 Filter.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Inhalation: 3.1 mg/m²			Not applicable.	
Source), to prevent release.   General ventilation. Containment of product.   Building design - physical barriers. Plant design.   Selection and suitability of mobile plant, tools and equipment.   Management/supervision in place to ensure compliance with risk assessments, safe operating procedures and handling aspects with consideration to occupational exposure controls.   Filter.   Powered full face respirator or dust mask FFP2   Filter.   Powered full face respirator or dust mask FFP2   Filter.   Powered full face respirator or tightly fitting safety goggles.   A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.   Wear suitable gloves tested to EN 374.   Efficacy 90%   EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.   Inhalation: 3.1 mg/m²		measures at process level.	,	
Technical conditions and measures to control dispersion from source towards the worker.  Organisational measures to prevent/limit releases, dispersion and exposure.  Conditions and measures to prevent/limit releases, dispersion and exposure.  Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or dust mask FFP2 related to personal protection, hygeine and health evaluation.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Inhalation: 3.1 mg/m³		<u>-</u>		
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Conditions and measures related to personal protection, hygeine and health evaluation.  Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Health.  Long term - systemic effects.  DNEL  Inhalation: 3.1 mg/m³		dispersion and exposure.		
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Powered full face respirator or tightly fitting safety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Health.  Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³		•	riitei.	
safety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Health.  Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³		nygeme and nearth evaluation.		
safety goggles.  A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Health.  Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³			Powered full face respirator or tightly fitting	
A washing facility for washing eyes and skin should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Health.  Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³				
should be present. Eye wash stations should also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Health.  Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³				
also be provided.  Wear suitable gloves tested to EN 374.  Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Health.  Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³				
Wear suitable gloves tested to EN 374. Efficacy 90%  EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  Health.  Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³				
0 EXPOSURE ESTIMATION AND REFERENCE TO IT'S SOURCE.  1 Health.  Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³			•	Efficacy 90%
1 Health.  Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³	ŀ			,
1 Health.  Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³	.0	EXPOSURE ESTIMATION AND RE	FERENCE TO IT'S SOURCE.	
Long term - systemic effects.  DNEL Inhalation: 3.1 mg/m³				
DNEL Inhalation: 3.1 mg/m³				
			Inhalatian 24 may 2	
Dermal: 17.4 mg/kg body weight/day.		DINEL	_	
			Dermal: 17.4 mg/kg body weight/day.	

	CONTRIBUTING SCENARIO.			
PROC. 8a; Transfer of subst	tance, (charging/discharging), from/to vessels/large containers at non dedicated facilities.			
Exposure assessment, (human):	Qualitative approach used to conclude safe use.			
Exposure estimation:	Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.			
PROC. 8b; Transfer of subst	tance, (charging/discharging), from/to vessels/large containers at dedicated facilities.			
Exposure assessment, (human):	Qualitative approach used to conclude safe use.			
Exposure estimation:	Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.			
PROC. 9; Transfer of substa	nce into small containers, (dedicated filling/packing including weighing).			
Exposure assessment, (human):	Qualitative approach used to conclude safe use.			
Exposure estimation:	Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.			
PROC. 19; Hand mixing witl	h intimate contact and only PPE available.			
Exposure assessment, (human):	Qualitative approach used to conclude safe use.			
Exposure estimation:	Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.			
PROC. 28; Manual mainten	ROC. 28; Manual maintenance, (cleaning and repair), of machinery.			
Exposure assessment, (human):	Qualitative approach used to conclude safe use.			
Exposure estimation:	Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management procedures are adopted.			
Environment.				
	AM USER TO EVALUATE WHETHER THE PERSON WORKS INSIDE THE BOUNDARIES SET BY THE ES.			
Health.				
Guidance - Health.	Estimated workplace exposures are not expected to exceed DNEL's when the identified risk management standards and procedures are adopted in full compliance.			
Environment.				
Guidance - Environment.	Not required.			
Additional good practise ad	dvice beyond the REACH CSA.			
Additional good practise advice.	Good standard of personal hygeine. Containment as appropriate. Good standard of housekeeping.			