

Safety Data Sheet

Conforms to REGULATION (EU) No. 453/2010

VERSION: Revision 1 **ISSUE DATE:** 05/08/21

GROUP 2

NPK/NP/NK (≥70%-≤80% AN)

1.0 Identification of the substance/mixture and of the company/undertaking

Product Identifier

Product/Trade name Ammonium nitrate based compounds or blended fertilizers, NPK/NP/NK, containing (≥70%-≤80%

ammonium nitrate). As indicated on packaging by PSDS Group 2 marking and nutrient inclusion.

AN based NPK, compound/blended fertilizer, complex fertilizer, NP fertilizer, NK fertilizer Common chemical name

Synonyms N/A Mixture **Chemical formula** N/A Mixture **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

Number,

where applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against. Fertilizer

N/A

Use of the substance/mixture

Uses advised against All non-agricultural fertilizer use.

1.3 Details of the supplier of the safety data sheet

Manufacturer Manufacturer/Importer/Supplier

Company name: Mole Valley Forage Services Ltd.

Full address: 8 Shed, 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

Tel; 01769 576227 1.4 Emergency telephone number

Out of hours; 07814284067

Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Ox. Sol 3, H272 Regulation 1272/2008 (CLP) Eye Irritant 2, H319

Hazard Statement(s) H272 May intensify fire; oxidiser.

H319 Causes serious eye irritation.

Classification in accordance with

Directive 67/548 (DSD)

Risk phrase(s)

R8 Contact with combustible material may cause fire.

R36 Irritating to eyes.

2.2 Label elements Labelling in accordance with Regulation 1272/2008 (CLP)

O; R8, Xi; R36

Hazard pictogram(s)





Signal word Warning

	Hazard Statement(s)	H272	May intensify fire; oxidiser.					
		H319	Causes serious eye irritation.					
	Precautionary statement(s)	P210	Keep away from heat, sparks, open flames & hot surfaces. — No smoking.					
		P220	Keep/Store away from combustible materials & chemicals.					
		P280	Wear eye protection.					
		P370+P378	In case of fire: Use copious quantities of water.					
		P305+P351+	IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses					
		P338	if easy to do. Continue rinsing.					
		P337+P313	If eye irritation persists: Get medical attention.					
		P221	Take any precautions to avoid mixing with combustibles/.					
		P264	Wash hands thoroughly after handling.					
2.3	Other hazards							
	PBT/vPvB criteria	According to Annex XIII of Regulation (EC) No 1907/2006, no PBT and vPvB assessment has been						
		conducted since	ammonium nitrate is inorganic.					
	Other hazards which do not result in	classification						
	Physical and chemical hazards	Fertilizers are ba	sically harmless products when handled correctly.					
		However, the fo	llowing points should be noted for fire, heating and detonation:					
		The fertilizer is n	ot itself combustible but it can support combustion, even in the absence of air. On					
		heating it melts	and further heating can cause decomposition, releasing toxic fumes containing					
		nitrogen oxides,	ammonia and sulphur and other gases depending on composition. It has high					
		resistance to det	tonation. Heating under strong confinement can lead to explosive behaviour.					
	Health hazards	The fertilizers are basically harmless products when handled correctly. However, prolonged or						
			t with skin may cause discomfort, ingestion of large quantities may give rise to gastro-					
			ers and inhalation of dust at high concentrations may cause irritation of the nose and					
			ry tract with symptoms such as sore throat and coughing. There are no known long					

3 Composition/information on ingredients

Environmental hazards

term effects.

Лixture						
lazardous ingredients						
Chemical name	CAS no.	EC no.	Generic REACH Reg No.)	Classification Regulation (EC) No. 1272/2008	Classification Directive 67/548/EEC	% (w/w)
Ammonium nitrate	6484-52-2	229-347-8		Ox. Sol 3, H272 Eye Irrit. 2, H319	O; R8, Xi; R36	≥70 - ≤80%
ther ingredients		•				
Calcium Carbonate and/or (*)	471-34-1	207-439-9				Variable
(*) Dolomite	16389-88-1	240-440-2				Variable
Di-ammonium phosphate	7783-28-0	231-987-8	01-2119490974 -22-0014			Variable
Potassium Chloride	7447-40-7	231-211-8				Variable
Ammonium Sulphate	7783-20-2	231-984-1	01-2119455044 -46			Variable
Limestone	1317-65-3	215-279-6				Variable

Heavy spillage of nitrate and phosphate may cause adverse environmental impact such as eutrophication in confined surface waters or nitrate contamination. See Section 12.

4.0	.0 First aid measures						
4.1	Description of first aid measures						
	General	In some cases medical attention necessary (see below).					
	Inhalation	Remove from source of exposure to dusts to fresh air.					
		Obtain medical attention if ill effects occur.					
	Ingestion	Do not induce vomiting unless directed to do so by medical personnel.					
		Rinse mouth and then give water or milk to drink.					
		Obtain medical attention if more than a small quantity has been swallowed.					
		NOTE; never give an unconscious person anything to drink.					
	Skin contact	Wash the affected area with water.					
	Eye contact	Flush/irrigate eyes, including under the eyelids, with copious amounts of water for at least 15					
		minutes.					
		Remove contact lenses if present and easy to do so. Continue rinsing.					
		Obtain medical attention if symptoms persist.					
4.2	Most important symptoms and effects	s, both acute and delayed					
	Acute effects	Eye irritation.					
	Delayed effects	None known.					
4.3	Indication of any immediate medical	। attention and special treatment needed					
	Note to physician	Inhalation of fire and thermal decomposition gases, containing oxides of nitrogen, ammonia and					
	reste to physician	sulphur and other toxic gases depending on composition can cause irritation and corrosive effects on					
		the respiratory system. Some lung effects may be delayed. Give oxygen, especially if there is blueness					
		around the mouth.					
	<u> </u>	<u> </u>					
5.0	Fire-fighting measures						
	Extinguishing media						
	Suitable extinguishing media	If fertilizer is not directly involved in the fire					
	ouranie crambaronnie moura	Use the best means available to extinguish the fire.					
		If fertilizer is involved in the fire					
		Use plenty of water.					
	Unsuitable extinguishing media	Do not use chemical extinguishers or foams or attempt to smother the fire with steam or sand.					
5.2	Special hazards arising from the subs	tance or mixture					
	Specific hazards	Potential explosion hazard under fire conditions when severely confined and/or contaminted with					
		incompatible materials (e.g. organic materials, halogenated compounds - see Section 10).					
		Do not allow molten fertilizers to run into drains.					
	Hazardous thermal decomposition	Oxides of nitrogen, ammonia, sulphur and depending on composition HCl etc.					
	and combustion products						
5.3	Advice for firefighters	•					
	Special fire fighting procedures	Open doors and windows of the store to give maximum ventilation.					
		Avoid breathing the fumes (toxic); stand up-wind of the fire.					
		Prevent any contamination of fertilizer by oils or other combustible materials.					
	Special protective equipment for fire-	Use a self-contained breathing apparatus if fumes are being entered.					
	fighters						
6.0	Accidental release measures						
6.1	Personal precautions, protective	Avoid walking through spilled product and exposure to dust.					
	equipment and emergency						
	procedures						
6.2	Environmental precautions	Take care to avoid the contamination of watercourses and drains and inform the appropriate					
	-	authority in case of accidental contamination of watercourses.					
6.3	Methods and material for	Any spillage of fertilizer should be cleaned up promptly, swept up and placed in a clean labelled open					
	containment and cleaning up	container for safe disposal, avoiding dusty conditions.					
		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, sand or dissolve in water.					

6.4	Reference to other sections	See section 1 for emergency contact information, section 8 for personal section 13 for waste disposal.	protective ed	quipment and			
		Section 13 for waste disposal.					
7.0	Handling and storage						
		ins generic advice and guidance. The list of identified uses given in section	n 1 should be	considered for			
	any use-specific information provided	d in the Exposure Scenario(s).	11 1 3110 414 50	. considered for			
7.1	Precautions for safe handling	Avoid excessive generation of dust.					
		Avoid contamination by combustible (e.g. diesel oil, grease, etc.) and/or	other incom	patible			
		materials.	l				
		Avoid unnecessary exposure to the atmosphere to prevent moisture pic When handling the product over long periods use appropriate personal	-	quinment e g			
		gloves.	protective et	quipinent, e.g.			
		Carefully clean all equipment prior to maintenance and repair.					
7.2	Conditions for safe storage,	Store in compliance with national and local regulations					
	including any incompatibilities	Locate away from the sources of heat or fire.					
		Keep away from combustible materials and substances mentioned unde	er Section10.				
		On farm, ensure that the fertilizer is not stored near hay, straw, grain, di					
		When stored loose, take particular care to avoid mixing with other fertil	izers.				
		Ensure high standard of housekeeping in the storage area.					
		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 d	listance arou	nd the stacks of			
		bagged products.	iistance arou	ild the stacks of			
		Any building used for the storage should be dry and well ventilated.					
		Where the nature of the bagged product and climatic conditions so requ	uire, store un	der 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 bre	akdown due	to thermal			
		cycling.					
		Packaging materials:					
		Plastic synthetic materials, steel and aluminum are suitable. Avoid use o	of copper and	zinc.			
			. соррег апа				
7.3	Specific end use(s)	As a fertilizer.					
	F						
8.0	Exposure controls/personal protection	on Ins generic advice and guidance. The list of identified uses given in section	n 1 chould be	considered for			
	lany use-specific information provided	d in the Exposure Scenario(s).					
3.1	any use-specific information provided Control parameters	d in the Exposure Scenario(s).					
8.1	, , ,	No specific EU official limit.					
8.1	Control parameters Regulated Exposure limit values	No specific EU official limit.					
8.1	Control parameters			Form.			
8.1	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. Val Limestone (CAS 1317-65-3). TWA, (Time Weighted Average.	ue. 4mg/m3	Form. Respirable			
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	PNEC	fresh water; mg/l	marine water; mg/l	Intermittent use/release; mg/I	Sewage treatment plant; mg/l	Freshwater sediment mg/kg/dw	Soil mg/kg/dw
	Ammonium nitrate	0.45	0.045	4.5	18	Not given	Not given
	Di-ammonium phosphate	1.7	0.17	17	10	Not given	Not given
	Potassium Chloride.	Not given	Not given	Not given	Not given	Not given	Not given
	Ammonium Sulphate	0.312	0.0312	0.53	16.18	3	62.6
	Limestone	Not given	Not given	Not given	Not given	Not given	Not given
	Exposure controls Appropriate engineering measures	minimised as mud	ch as possible.			•	nhalation must be
	Hygienic measures	When handling th eating, smoking a	-				ng and before
	Individual protection Respiratory system	If dust concentrat	ion is high and/	or ventilation is i	nadequate use	suitable dust r	nask or resnirator
		with an appropria	•		•		· ·
	-	Working clothes.					
	Hands	Wear suitable glo	ves (e.g. plastic,	rubber or leathe	r) when handli	ng the product	over long periods.
	Eyes	Use appropriate s side protection or			e task being car	rried out. Wear	safety glasses with
	Environmental exposure controls	Avoid the contam accidental contan Do not flush into:	nination of wate	rcourses.		the appropriate	authority in case of
				•	•		
9.0	Physical and chemical properties						
	Appearance	Solid, may contain prills unless delibe				nd light grey co	loured granules or
	Odour	Odourless.					
	Odour threshold	Not applicable					
	рН	Usually > 4.5 (wat	_				
	Melting point/freezing point	160-170°C depend	ding on moisture	e content, ammo	nuim nitrate m	nain component	
	Initial boiling point and boiling range	Decomposes.					
	Flash point	Not applicable, as	the fertilizer is	a mixture of inor	ganic solids		
	Flammability (solid, gas)	Not flammable					
	Upper/lower flammability or explosive limits	Not applicable.					
	Explosive properties	The fertilizer has a	a high resistance	to detonation.			
		This resistance is Heating under str	decreased by the ong confinemen	e presence of co t (e.g. in tubes o	r drains) may le	ead to a violent	
	Auto-ignition temperature	Ammonium nitrat	te based NPK/NF	P/NK fertilizer is i	not combustibl	e.	
	Decomposition temperature	May start to deco	mpose above ap	prox. 170°C.			
	Minimum ignition energy	Not applicable					
	Oxidising properties	Oxidizer, can supp	oort combustion	and may intensi	fy fire.		
	Critical temperature	Not applicable					
	Relative density	Not applicable					
	Density	(1725 kg/m ³ for m	nain ingredient a	ammonium nitra	te as solid mate	erial)	
	Loose bulk density	950 - 1050kg/m3					
	Vapour pressure at 20°C	Not applicable					
	Vapour density	Not applicable					

Partition coefficient (n-

octanol/water)

Not applicable.

Viscosity

Not applicable

Mean particle size

2-4mm

Water solubility

Pure ammonium nitrate:1920 g/l at 20 °C

Hygroscopic - readily picks up moisture from the air.
Not surface active (based on molecular structure)

Surface tension
Other information

Miscibility Not applicable

Fat solubility Not available

Gas group Not applicable

Remarks Molecular weight 80 (For main ingredient ammonium nitrate).

10.0 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 reactions	When heated can decompose.				
10.4 Conditions to avoid 10.5 Incompatible materials	Heating above 170°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. Combustible materials, reducing agents, acids, alkalis, sulphur, chlorates, chromates, nitrites, permanganates, metallic powders and substances containing metals such as copper, nickel, cobalt,				
10.6 Hazardous decomposition products	zinc and their alloys. For fire situation: see section 5. When strongly heated, it melts and decomposes releasing toxic fumes (e.g. NO _x , ammonia and other gases depending on composition) When in contact with alkaline material such as lime, may give off ammonia gas. See also Sections 2 and 9.				

nformation on toxicological effects	formation on toxicological effects				
Toxicokinetics, metabolism and	Not available				
distribution					
Acute toxicity	Ingredients				
Acute oral toxicity	Ammonium nitrate	LD50: 2950 mg/kg bw (OECD 401)			
Acute dermal toxicity	Ammonium nitrate	LD50: > 5000 mg/kg bw (OECD 402)			
Acute inhalation toxicity	Ammonium nitrate	LC50: > 88.8 mg/l (no guideline followed)			
Acute oral toxicity	Di-ammonium phosphate	LD50: > 2000 mg/kg, rat, (OECD 425)			
Acute dermal toxicity	Di-ammonium phosphate	LD50: > 5000 mg/kg, rat, (OECD 402)			
Acute inhalation toxicity	Di-ammonium phosphate	LC50: > 5 mg/l, rat, 4hr duration of exposure, (OECD 403)			
Acute oral toxicity	Potassium chloride	LD50: 3020 mg/kg, rat.			
Acute oral toxicity	Ammonium sulphate	LD50: 2840 mg/kg, rat.			
Acute oral toxicity	Ammonium sulphate	LD50: 4540 mg/kg, rat.			
Acute oral toxicity	Ammonium sulphate	LD50: 640 mg/kg, mouse.			
Acute oral toxicity	Ammonium sulphate	LDLO: 3500 mg/kg, domestic animals.			
Acute dermal toxicity	Ammonium sulphate	LD50: >2000 mg/kg, rat.			
Acute inhalation toxicity	Ammonium sulphate	>1000 mg/m3, (8 hours TWA), rat.			
Local effects					
Skin irritation	Product	No critical or specific hazard			
Eye irritation	Product	Irritating, (OECD 405).			

Sensitisation Not sensitizing (OECD 429, with magnesium nitrate, nitric acid ammonium calcium salt, sodium

nitrate). Prolonged contact may cause irritation and dryness from Limestone.

Other For main ingredient ammonium nitrate

Sub-acute toxicity Inhalation 2-weeks NOAEL ≥ 185 mg/m3 (OECD 412)

Oral 28-day NOAEL ≥ 1500 mg/kg bw/day (OECD 422, with potassium nitrate), and; Oral 28-day NOAEL ≥ 250 mg/kg bw/day (OECD 422, with di-ammonium phosphate)

Oral 52-week NOAEL = 256 mg/kg bw/day (OECD 453, with ammonium sulphate)

Mutagenicity Negative (OECD 471, 473, with nitric acid ammonium calcium salt)

Negative (OECD 476, with potassium nitrate)

Reproductive toxicity Oral 28-day NOAEL ≥ 1500 mg/kg bw/day (OECD 422, with potassium nitrate)

Carcinogenicity Not carcinogenic (OECD 453, with ammonium sulphate)

Remarks Adverse health effects are considered unlikely when the product is handled and used correctly. If large quantities are ingested may give rise to gastro-intestinal disorders.

No new or increased hazards of Sub-acute toxicity, Mutanegicity, Reproductive toxicity and/or Carcinogenicity are introduced from the inclusion of one or more of each of the substances; Diammonium Phosphate, Potassium Chloride, Ammonium Sulphate and Limestone in the dry mixture/blend. Limestone dust if inhaled over a prolonged or extended period can, by respirable dust, lead to respiratory system damage and disease. Crystalline silica is present in limestone at around 2% by content, (Ref; HSE INDG 463), respirable crystalline silica has been associated with the lung disease silicosis.

12.0	Ecological information				
12.1	Toxicity				
	Ammonium nitrate	Fish (short-term)	48-h LC50: 447 mg/l (no guideline followed)		
		Fish (long-term)	No data		
		Daphnia magna (short-term)	48-h EC50: 490 mg/l (no guideline followed, with potassium nitrate)		
		Daphnia magna (long-term)	No data		
		Algae	10-d EC50: > 1700 mg/l (seawater, no guideline followed, performed with potassium nitrate)		
		Inhibition of microbial activity	3-h EC50: >1000 mg/l, NOEC: 180 mg/l (OECD 209, with sodium nitrate)		
	Di-ammonium phosphate	Acute algae toxicity	EC50: > 100 mg/l, EC10/LC10 or NOEC = 100mg/l for freshwater algae, species; Selanastrum capricornutum, 72 hour period.		
	DAP commercial grade.	Acute toxicity on fish.	LC50: 1700mg/l for fry at 21deg/C, species Cirrhinus mrigala. LC50 = 1875 mg/l on fingerlings at 21 deg/C, 96 hour period.		
	Single superphosphate, (read across	Acute toxicity on aquatic	EC50/LC50: 1790 mg/l for freswater invertebrates at 20.7 deg/C,		
	to Di-ammonium phosphate).	invertebrates.	species Daphnia carinata, 72 hour period.		
		PNEC for freshwater; 1.7 mg/l, PNEC for matine water; 0.17 mg/l, PNEC for intermittent releases 17 mg/l.			
		Inhibition of microbial activity	3-h EC50/LC50: >100 mg/l, EC10/LC10 or NOEC: 100 mg/l (Activated sludge of a predominantly domestic sewage)		
		PNEC for sewage treatment plant	:: 10mg/l		
	Potassium Chloride		LC50: 880 mg/l, species Pimephales Promelas, (fathead minnow), 96 hour period, OE CD Test Guideline 203.		
		Toxicity to daphnia and other aquatic invertebrates.	EC50: 440 - 880 mg/l, species Dapnia Magna, (water flea), 48 hour period, OECD Test Guideline 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.		
		Toxicity to fish, (chronic toxicity).	No observed effect concentration: 500 mg/l, 7 day period, OECD Test Guideline 210.		
	Ammonium Sulphate	Toxicity to fish.	LC50: 6.6 - 39.2 mg/l, species Oncorhynchus Mykiss, (rainbow trout), 96 hour period.		
			LC50; >20 mg/l, species Pimephales Promelas, (fathead minnow), 96 hour period.		

1	1	Toxicity to daphnia and other	LC50; >20 mg/l, species Daphnia Magna, (water flea), 96 hour
		aquatic invertebrates.	period.
12.2	Persistence and degradability	Ingredient name	Ammonium Nitrate
		Standard test is not applicable as	
			t, will completely dissociate into ions.
	Hydrorysis		· · ·
	Dia da sua dakia u	Ingredient name	Di-ammonium Phosphate (N & P)
	_	Standard test is not applicable as	
	Hydrolysis		not occur, and is also not susceptible to photodegradation.
		Ingredient name	Potassium Chloride (K)
	Biodegradation		
	Hydrolysis	Not applicable.	
		Ingredient name	Ammonium Sulphate (S)
	Biodegradation	Standard test is not applicable as	s the mixture is inorganic.
	Hydrolysis	Not applicable.	
		Ingredient name.	Limestone.
	Biodegradation	Limestone is non-volatile and ine	ert, it is resistant to degradation and will persist in the environment.
	Hydrolysis	Not applicable.	
12.3	Bioaccumulative potential	Octanol-water partition	Not relevant as the mixture is inorganic, but considered to
	- •	coefficient	be low (based on high water solubility)
		(Kow)	
		Bioconcentration factor (BCF)	Low potential for bioaccumulation (based on main ingredient properties A.N), and;
			Potassium Chloride (K) and Ammonium Sulphate (S).
			Di-ammonium Phosphate (N & P); Aquatic bio-accumulation -
			simple inorganic salts with high aqueous solubility will exist in a
			dissociated form in an aqueous solution. Such a substance has a
			low potential for bioaccumulation. Terrestrial - simple inorganic
			salts with high aqueous solubility will bioaccumulation; will exist in
			a dissociated form in an aqueous solution. Such a substance has a
			low potential for bioaccumulation.
12.4	Mobility in soil	Low potential for adsorption (ba	l sed on main ingredient properties)
	,		ion is mobile. The NH4+ ion is adsorbed by soil.
		-); Phosphates whether citrate or water soluble, are translocated in
		the soil only over very short peri	ods and are then immobilised.
		Potassium Chloride (K); Not appl	icable.
		Ammonium Sulphate (S); easily s	oluble in cold water.
		Limestone is resistant to degrada	ation and will persist in the environment.
12.5	Results of PBT and vPvB assessment	According to Annex XIII of Regula	ation (EC) No 1907/2006, no PBT and vPvB assessment has been
		conducted since ammonium nitr	ate is inorganic.
		According to data available, Di-a	mmonium Phosphate (N & P), is not PBT and not VPvB.
		Potassium Chloride, (K), is inorga	anic so no PBT and vPvB assessment is required.
		Ammonium Sulphate, (S), is not o	
		Limestone - not applicable.	
12.6	Other adverse effects		e environmental impact such as eutrophication in confined surface
		waters.	
13.0	Disposal considerations		
	Container	Containers should be cleaned by	appropriate method and then re-used or disposed by landfill
			n accordance with local and national regulations.
		Do not remove label until contain	
	Markada of Breeze		
ĺ	Methods of disposal		e of contamination dispose of by use as fertilizer on farm, as raw
		material for liquid fertilizer, or to	·
			e of this material and its container in a safe way and in accordance
		with all applicable local and nation	onal regulations. the list of wastes (Commission decision 2000/532/EC)
		See chapters no no alla no 10 01	נווב וואניטו wastes (כטווווווואטוטוו עפנואוטוו 2000/ 352/ EC)

	Package waste disposal	Empty the bag by	_			ontents. as non-hazardous mater	ial or
		returned for recy	•	mpty bags may b	e disposed of	as non-hazardous mater	ial or
	Note: see section 7 for safe handling	and storage					
4.0	Transport information						
		ADR/RID	ADN/ADNR	IMDG	ICAO/IATA		
4.1	UN Number	UN2067	UN2067	UN2067	UN2067		
4.2	UN Proper shipping name	Ammonium nitrate based fertilizer	Ammonium nitrate	Ammonium nitrate based fertilizer	Ammonium nitrate based fertilizer		
	Transport hazard	5.1	5.1	5.1	5.1		
	class(es) Packing group						
		III	III	III	III		
	Label	5.1	5.1	5.1	5.1		
L4.5	Environmental hazards		Not appl	icable.			
L4.6	Special precautions for user		No	one.			
	Transport in bulk according to						
	Annex II of MARPOL73/78 and the IBC Code		Not appl	icable.			
	and the IBC Code						
	Regulatory information	EC 2003/2003 96	J82 FC: Savaso	Directive Control	of Major Accid	dent Hazards Regulation	c 2015
5.1		(COMAH) - UK Re Regulation EC 190 Decision No 1348	gulations. 07/2006 (REACH /2008/EC of the), EC 2003/2003, European Parliai	96/82 EC. ment & of the	dent Hazards Regulation: Council and Commission 1990, (NAMOS), (as ame	Regulat
5.1	Regulatory information Safety, health and environmental regulation/legislation specific for the substance or mixture	Regulation EC 190 Decision No 1348 (EC) No 552/2009	gulations. 07/2006 (REACH /2008/EC of the). Notification an), EC 2003/2003, European Parlian Id Marking of Site 14, a Chemical S	96/82 EC. ment & of the es Regulations afety Assessmo	Council and Commission	Regulat ended 20
15.1	Regulatory information Safety, health and environmental regulation/legislation specific for the substance or mixture Other regulations Chemical safety assessment	Regulation EC 190 Decision No 1348 (EC) No 552/2009	gulations. 07/2006 (REACH /2008/EC of the). Notification an), EC 2003/2003, European Parlian Id Marking of Site 14, a Chemical S	96/82 EC. ment & of the es Regulations afety Assessmo	Council and Commission 1990, (NAMOS), (as ame	Regulat ended 20
15.1	Regulatory information Safety, health and environmental regulation/legislation specific for the substance or mixture Other regulations	Regulation EC 190 Decision No 1348 (EC) No 552/2009	gulations. 07/2006 (REACH /2008/EC of the). Notification an), EC 2003/2003, European Parlian Id Marking of Site 14, a Chemical S	96/82 EC. ment & of the es Regulations afety Assessmo	Council and Commission 1990, (NAMOS), (as ame	Regulati ended 20
15.1	Regulatory information Safety, health and environmental regulation/legislation specific for the substance or mixture Other regulations Chemical safety assessment	Regulation EC 190 Decision No 1348 (EC) No 552/2009 In accordance wit main ingredient A ty data sheet is corly as guidance for suality specification	gulations. 07/2006 (REACH /2008/EC of the). Notification an th REACH Article ammonium Nitra rect to the best afe handling, us), EC 2003/2003, European Parlial and Marking of Site 14, a Chemical Sate as a substance of our knowledge, processing, ston relates only to	96/82 EC. ment & of the es Regulations afety Assessme e. e, information, orage, transpor	Council and Commission 1990, (NAMOS), (as ame ent has been carried out and belief at the date o rtation, disposal, and rele iterial designated and m	Regulatended 20 for the
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	Causes serious eye irritation (H319)
	CLP - Classification, Labelling and Packaging Regulation, (Regulation EC No. 1272/2008).
	CAS Number - Chemical Abstracts Number, substance registration number.
	EC No European Commission substance identification number.
	% w/w - Percentage weight for weight; percentage by weight of solute in total weight of solution.
	PBT - Persistent, bioaccumulative, toxic.
	vPvB - Very persistent, very bioaccumulative.
	DNEL - Derived no effect level.
	PNEL - Prescribed no effect level.
	LC50 - Lethal concentration for 50% of subjects.
	LD50 - Lethal dose for 50% of subjects.
	OECD - Organisation for Economic Co-operation and Development.
	LOAEL - Lowest observed adverse effect level.
	NOAEL - No observed adverse effect level.
	EC50 - Effective Concentration for 50% of subjects.
	NOEC - No observed effect concentration.
	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
1.10.0.0.0.00	

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.