Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830



SAFETY DATA SHEET

Feeding the Future

Urea, Prilled 46-0-0

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier	•
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Product name	Urea, Prilled 46-0-0			
EC number	200-315-5			
REACH Registration number				

M		
Registration n	umber	Substance
01-2119463277-33-XXXX		Urea
CAS number	: 57-13-6	
Product code	: 2505-309	02; 4380-30902
Product description	: EC FERT	ILISER Straight Fertiliser Urea, Prilled 46-0-0
Product type	: Solid.	
Other means of identification	: Not availa	ible.

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

Identified uses		
Fertiliser. Manufacture of chemicals. Manufacture of intermediates. Manufacture of personal care products. Manufacture of pharmaceutical products. Manufacture of resins. Manufacture of speciality fertilisers.		
Uses advised against	Reason	
Non-hazardous substance. Not applicable	Non-hazardous substance. Not applicable	

1.3 Details of the supplier of the safety data sheet

	•
Nutrien Europe SA	
Avenue Louise 326/36	
1050 Bruxelles	
Belgium	
Tel : +32 (0)2 646 70 00	
Fax : +32 (0)2 646 68 60	
commercial@nutrien.eu	
e-mail address of person	: productsafety@nutrien.com
responsible for this SDS	. producisalety@nutilen.com
responsible for this 3D3	
1.4 Emergency telephone nu	mber
V V C C C	

onal advisor

AUSTRIA +43 1 406 43 43 AZERBAIJAN +994 125 979 924 BELARUS +375 17 287 00 92 BELGIUM +32 70 245 245 BULGARIA +359 2 9154 378; +359 887 435 325 CROATIA +358 1 2348 342	Telephone number	 Nutrien Safety Data Sheets are available in many languages at https://agproducts. nutrien.com/products/ Physicians, Poison Centres, or the Public may contact Nutrien's Global Emergency Response Number 24/7/365 for service in many languages at +1 303 389 1654
CZECH REPUBLIC +420 22 49 192 93 DENMARK +45 82 12 12 12 ESTONIA 16662; +372 62 69 379 FINLAND +358 9 471977		AZERBAIJAN +994 125 979 924 BELARUS +375 17 287 00 92 BELGIUM +32 70 245 245 BULGARIA +359 2 9154 378; +359 887 435 325 CROATIA +358 1 2348 342 CZECH REPUBLIC +420 22 49 192 93 DENMARK +45 82 12 12 12 ESTONIA 16662; +372 62 69 379

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SECTION 1: Identification of the substance/mixture and of the company/ undertaking

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	FRANCE
	Angers +33 (0)2 41 48 21 21
	Bordeaux +33 (0)5 56 96 40 80
	Lille 0800 59 59 59 (national callers)
	Lyon +33 (0)4 72 11 69 11
	Marseille +33 (0)4 91 75 25 25
	Nancy +33 (0)3 83 22 50 50
	Paris +33 (0)1 40 05 48 48
	Rennes +33 (0)2 99 59 22 22
	Strasbourg +33 (0)3 88 37 37 37
	Toulouse +33 (0)5 61 77 74 47
	GEORGIA +995 99 53 33 20
	GERMANY
	Berlin +49 30 192 40
	Bonn +49 228 192 40
	Erfurt +49 361 730 730
	Freiburg +49 761 192 40
	Goettingen +49 551 192 40
	Homburg (Saar) +49 6841 192 40
	Mainz +49 6131 192 40
	Munich +49 89 192 40
	GREECE +30 21 07 79 37 77
	HUNGARY +36 80 20 11 99
	ICELAND +354 543 22 22
	IRELAND +353 1 837 9964 (medical professionals) +353 1 809 2166 (public)
	ISRAEL +972 4 854 19 00
	ITALY
	Bergamo +39 800 883 300
	Firenze +39 55 794 7819
	Foggia +39 881 732 326
	Genoa +39 10 563 62 45
	Milan +39 02 6610 1029
	Padova +39 49 827 50 78
	Pavia +39 38 224 444
	Rome +39 06 305 43 43
	Turin +39 011 663 7637
	KAZAKHSTAN +7 3272 925 868
	LITHUANIA +370 5 236 20 52; +370 687 533 78
	NETHERLANDS +31 30 274 88 88
	NORWAY +47 22 59 13 00
	POLAND
	Gdansk +48 58 682 04 04
	Krakow +48 12 411 99 99
	Lòdz +48 42 63 14 724
	Sosnowiec +48 32 266 11 45
	Warszawa +48 22 619 66 54
	Wroclaw +48 71 343 30 08
	PORTUGAL 808 250 143 (national callers)
	ROMANIA +402 212 106 282
	RUSSIAN FEDERATION
	Ekaterinburg +7 343 229 98 57
	Moscow +7 495 628 1687
	Saint-Petersburg +7 921 757 3228
	SERBIA +381 11 3608 440
	SLOVAKIA +421 2 5477 4166
	SLOVENIA +386 41 635 500
	SPAIN +34 91 562 0420
	SWEDEN 112 (national callers); +46 (0)10 456 6700
	SWITZERLAND +41 44 251 51 51 (in Switzerland dial 145)
	THE FORMER YUGOSLAVIA +38 923 147 635
	TURKEY +90 0312 433 70 01 or 0 800 314 7900
	UNITED KINGDOM
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SECTION 1: Identification of the substance/mixture and of the company/ undertaking

	Belfast 844 892 0111
	Birmingham 844 892 0111
	Edinburgh 844 892 0111
	Newcastle Upon Tyne +44 191 2606182; +44 191 2606180
	Penarth 844 892 0111
Supplier	
Telephone number	: Nutrien Europe SA
-	EMERGENCY TELEPHONE NUMBERS:
	Transportation: 00-1-303-389-1654
	Medical: 00-1-303-389-1654
Hours of operation	: 24 / 7 / 365

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Product definition : Mono-constituent substance Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Not classified.

The product is NOT classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 16 for the full text of the H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms



Signal word	: No signal word.		
Hazard statements	: No known significant effects or critical hazards.		
Precautionary statements			
General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.		
Prevention	: Not applicable.		
Response	: Not applicable.		
Storage	: Not applicable.		
Disposal	: Not applicable.		
Hazardous ingredients	: No hazardous ingredients.		
Supplemental label elements	: Safety data sheet available on request.		
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.		
Special packaging requirements			
Containers to be fitted with child-resistant fastenings	: Not applicable.		
Tactile warning of danger	: Not applicable.		

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: 3/22/2019

SECTION 2: Hazards identification

2.3 Other hazards		
Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII	:	No. Not applicable. Inorganic salt.
Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	No. Not applicable. Inorganic salt.
Other hazards which do not result in classification	:	Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

SECTION 3: Composition/information on ingredients

3.1 Substances :	Mono-constituent substance			
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
Urea	REACH #: 01-2119463277-33-XXXX EC: 200-315-5 CAS: 57-13-6	98	Not classified.	[A]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

<u>Type</u>

[A] Constituent

[B] Impurity

[C] Stabilising additive

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid me	asures
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. Mouth-to-mouth resuscitation of oral exposure patients is not recommended. First- aiders with contaminated clothing should be properly decontaminated.

4.2 Most important symptoms and effects, both acute and delayed

<u>Over-exposure signs/sym</u> Eye contact		ymptoms may include the	e following:		
Inhalation		ymptoms may include the / tract irritation	e following:		
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Urea, Prilled 46-0-0	
SECTION 4: First aid	d measures
Skin contact	: No specific data.
Ingestion	: No specific data.
4.3 Indication of any immedi	iate medical attention and special treatment needed
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. For professional, multilingual, medica support, in case of medical emergencies involving Nutrien products, telephone the Nutrien global 24 hour Emergency Number: 00-1-303-389-1654.
Specific treatments	: No specific treatment.
SECTION 5: Firefigh	iting measures
5.1 Extinguishing media	
Suitable extinguishing media	: Decomposes on heating. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Not applicable.
5.2 Special hazards arising f	from the substance or mixture
Hazards from the substance or mixture	 In a fire, hazardous decomposition products may be produced. Exposure to decomposition products may cause a health hazard.
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
5.3 Advice for firefighters	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Collect contaminated fire-fighting water separately. It must not enter the sewage system.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Additional information	: If mixed with chlorine or hypochlorites, it may form nitrogen trichloride which may explode spontaneously in air.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	te	ctive equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Avoid breathing dust. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused adverse impacts (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

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SECTION 6: Accidental release measures

Small spill	: Move containers from spill area. Recover the material and use it for its intended purpose.
Large spill	: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Avoid creating dusty conditions and prevent wind dispersal. Recover the material and use it for its intended purpose. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

7.1 Precautions for safe handling

Protective measures	 Put on appropriate personal protective equipment (see Section 8). Avoid breathing dust. Prevent dust accumulation. Wear appropriate respirator when ventilation is inadequate.
Advice on general occupational hygiene	 Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. May form steep piles that can collapse without warning when stored in bulk. Avoid forming steep slopes when removing product. Ensure that bulk bags or smaller packaged products stored in tiers are stacked, racked, blocked, interlocked, or otherwise secured to prevent sliding, rolling, or collapse. Use caution when opening truck or railcar doors as product may have shifted during transport.

Must be stored in a dry location. Absorbs moisture on long-term storage under high humidity conditions. Store away from incompatible materials (see Section 10). When product is stored in sealable containers, keep container tightly closed and sealed until ready for use. Sealable containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

7.3 Specific end use(s)

Recommendations

: Fertiliser. Manufacture of fertilisers and nitrogen compounds

Industrial sector specific solutions

: Non-hazardous substance. Not applicable

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

• • •		
Occupational	exposure	limits

No exposure limit value known.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

DNELs/DMELs

ECTION 8: Exposur	e con	trols/p	ersonal prote	ction		
Product/ingredient na	ame	Туре	Exposure	Value	Population	Effects
Urea		DNEL DNEL	Short term Inhalation Short term Inhalation	175 mg/m ³ 87.5 mg/m ³	Workers Consumers	Systemic Systemic
DNEL/DMEL Summary	: Very	low toxic	ity to humans or anir	nals.		
Product/ingredier	nt name		Compartment De	tail N	/alue	Method Detail
Urea			Fresh water	47 mg/	Ass	essment Factors
PNEC Summary	: Sligh	tly harm	ful to aquatic organis	ms. Very low	acute toxicity to	fish.
2 Exposure controls Appropriate engineering controls	or m cont reco	ist, use p rols to ke	quate ventilation. If u process enclosures, l eep worker exposure d or statutory limits.	ocal exhaust	ventilation or oth	er engineering
ndividual protection measu						
Hygiene measures			stiness. If dust is gen t will protect against			
Eye/face protection	asse gase	essment i es or dus	ar complying with an ndicates this is nece ts. If operating condi e dust goggles.	ssary to avoid	d exposure to liq	uid splashes, mists
Skin protection						
Hand protection			protective equipmer Suggested persona			
Body protection	bein	g perforn	tective equipment for ned and the risks inve ng this product.			
Other skin protection	sele	cted base	ootwear and any add ed on the task being a specialist before ha	performed an	d the risks involv	
Respiratory protection	stan mus	dard if a t be base	ly fitted, air-purifying risk assessment indi ed on known or antici working limits of the	cates this is r pated exposu	ecessary. Resp ire levels, the ha	irator selection
Environmental exposure controls	ensu In sc	ire they come case	om ventilation or work comply with the requires, fume scrubbers, f Il be necessary to re	rements of er ilters or engin	vironmental pro eering modificat	tection legislation. ions to the process

9.1 Information on basic physic	cal and chemical properties
<u>Appearance</u>	
Physical state	: Solid. [Solid beads.]
Colour	: White.
Odour	: Ammoniacal. [Slight]
Odour threshold	: Not available.
рН	: Not available.
Melting point/freezing point	: 133°C
Initial boiling point and boiling range	: Not available.

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: 7/9/2019

Date of previous issue

SECTION 9: Physical and chemical properties

Flash point	: [Product does not sustain combustion.]
Evaporation rate	: Not available.
Flammability (solid, gas)	: Non-flammable substance. Non-combustible.
Upper/lower flammability or explosive limits	: Not applicable.
Vapour pressure	: 0.0000013 kPa [20°C]
Vapour density	: Not available.
Relative density	: 1.33
Solubility(ies)	: Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/ water	: <-1.73
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: >135°C
Viscosity	: Not applicable.
Explosive properties	: If mixed with chlorine or hypochlorites, it may form nitrogen trichloride which may explode spontaneously in air.
Oxidising properties	: Not available.
9.2 Other information	
Solubility in water	: 624 g/l
Molecular weight	: 60.07 g/mole
No additional information.	

SECTION 10: Stability and reactivity

	- J	
10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	Avoid creating dusty conditions and prevent wind dispersal. Hygroscopic. Absorbs moisture on long-term storage under high humidity conditions. Store in a well-ventilated, dry place. Protect from moisture.
10.5 Incompatible materials	:	Reactive or incompatible with the following materials: chlorine-based bleaching agents oxidizing materials
10.6 Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects Acute toxicity

SECTION 11: Toxicological information

	0			
Product/ingredient name	Result	Species	Dose	Exposure
Urea	LD50 Oral LD50 Oral	Mouse - Male Rat - Male	11500 mg/kg 14300 mg/kg	-
	LD50 Subcutaneous	Mouse - Female	9200 mg/kg	-
	LDLo Oral	Cattle - Male, Female	600 mg/kg	-

Conclusion/Summary : Very low toxicity to humans or animals. Not considered to be acutely toxic.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Urea	Skin - Erythema/Eschar	Rabbit	0	-	-

Conclusion/Summary

Skin	May cause slight transient irritation. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Effects are not sufficient for classification as hazardous.	/
Eyes	May cause slight transient irritation. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Effects are not sufficient for classification as hazardous.	1
Respiratory	May cause slight transient irritation. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Effects are not sufficient for classification as hazardous.	1
Sensitisation		
Conclusion/Summary		
Skin	Non-sensitiser to skin.	
Respiratory	Non-sensitiser to lungs.	

Mutagenicity

Product/ingredient name	Test	Experiment	Result
Urea	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria Cell: Somatic Metabolic activation: With and without	Negative

Conclusion/Summary : No mutagenic effect.

Carcinogenicity

Product/ingredient name	Result	Species	Dose	Exposure		
Urea	Negative - Oral - TC	Rat - Male, Female	2250 mg/kg Continuous	-		
Conclusion/Summary	: No carcinogenic effect.			·		
Reproductive toxicity						
Conclusion/Summary : No known significant effects or critical hazards.						
Teratogenicity						
Conclusion/Summary	: No known significant effec	ts or critical hazard	S.			
Specific target organ toxicit	<u>y (single exposure)</u>					
Not available.						

Not available.

Aspiration hazard

Not available.

SECTION 11: Toxicological information

Information on likely routes of exposure	:	Skin contact Inhalation (dusts and mists)
Potential acute health effects	5	
Eye contact	:	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Inhalation		Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	1	No known significant effects or critical hazards.
Symptoms related to the phy	sic	cal, chemical and toxicological characteristics
Eye contact	:	Adverse symptoms may include the following: irritation redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	:	No specific data.

Ingestion : No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure	
Potential immediate effects	: See above.
Potential delayed effects	: See above.
Long term exposure	
Potential immediate effects	: See above.
Potential delayed effects	: See below.

Potential chronic health effects

Product/ingredient name	Result	Species	Dose	Exposure
Urea	Chronic NOAEL Oral	Rat - Male, Female	2250 mg/kg Continuous	12 months Continuous
Conclusion/Summary	: No known significant eff	ects or critical haza	rds.	
General	: No known significant effects or critical hazards.			
Carcinogenicity	: No known significant effects or critical hazards.			
Mutagenicity	: No known significant effects or critical hazards.			
Teratogenicity	: No known significant effects or critical hazards.			
Developmental effects	: No known significant effects or critical hazards.			
Fertility effects	: No known significant effects or critical hazards.			

Other information

: Not available.

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SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Urea	Acute EC50 3910000 ug/L Fresh water	Daphnia - Daphnia magna - Neonate - <24 hours	48 hours
	Acute LC50 >1000 mg/L Marine water	Crustaceans - Chaetogammarus marinus - Young - 5 mm	48 hours
	Acute LC50 5000 ug/L Fresh water	Fish - Colisa fasciata - Fingerling	96 hours
	Acute LC50 22500 ug/L	Fish - Tilapia mossambica	96 hours
Conclusion/Summary	: Very low acute toxicity to fish. Based not met.	on available data, the classifica	tion criteria are

12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum
Urea	OECD 302B Inherent Biodegradability: Zahn-Wellens/ EMPA Test	96 % - Readily - 16	days	-	-
Conclusion/Summary : According to EC criteria: Readily biodegradable					
Product/ingredient name	Aquatic half-life	Aquatic half-life		S	Biodegradability
Urea	-	-			Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Urea	<-1.73	-	low

12.4 Mobility in soil	
Soil/water partition coefficient (K _{oc})	: 0.037
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

: No.
Not applicable. Inorganic salt.
: No.
Not applicable. Inorganic salt.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance.

13.1 Waste treatment methods

Product

Date of issue/Date of revision

SECTION 13: Disposal considerations

Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Recycle to process, if possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Hazardous waste	 Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ICAO
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

SECTION 15: Regulatory information

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Other EU regulations	
Europe inventory	: This material is listed or exempted.
Ozone depleting substan	
Not listed.	
Prior Informed Consent (I	
Not listed.	
<u>Seveso Directive</u>	
•	ed under the Seveso III Directive.
International regulations	
	tion List Schedules I, II & III Chemicals
Not listed.	
Montreal Protocol (Annexe	s A, B, C, E)
Not listed.	
Stockholm Convention on	Persistent Organic Pollutants
Not listed.	
Bottordom Convention on	Dries Informed Concert (DIC)
Not listed.	Prior Informed Consent (PIC)
UNECE Aarhus Protocol or	n POPs and Heavy Metals
Not listed.	
International lists	
National inventory	
Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Japan	: Japan inventory (ENCS): All components are listed or exempted. Japan inventory (ISHL): Not determined.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Turkey	: Not determined.
United States	: All components are listed or exempted.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

	has changed from previously issued version.
Abbreviations and acronyms	 ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative
Key literature references and sources for data	 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 DECEMBER 2006, with successive adaptations, amendments, and corrigenda. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 16 DECEMBER 2008, with successive adaptations, amendments, and corrigenda. ECHA, European Chemicals Agency, Classification and Labelling Database DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 4 JULY 2012 on the control of major-accident hazards involving dangerous substances European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), latest revision. Directive 2008/68/EC of the European Parliament and of the Council of 24 September 2008 on the inland transport of dangerous goods, with successive amendments. REGULATION (EC) No 2003/2003 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 13 OCTOBER 2003 RELATING TO FERTILISERS, with successive adaptations, amendments, and corrigenda. American Conference of Governmental Industrial Hygienists, Threshold Limit Values for Chemical Substances, latest edition. Corrosion Data Survey, Sixth Edition, 1985, National Association of Corrosion Engineers ERG 2016 Emergency Response Guidebook IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. The Fertilizer Institute, Toxicity Testing Results, March 2003 te classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
	is classification according to regulation (LO) no. 1212/2000 [OLF/GHO]

Classification	Justification
Not classified.	Weight of evidence

Full text of abbreviated H statements

Not applicable.

Full text of classifications [CLP/GHS]

Not applicable.

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Notice to reader	

SECTION 16: Other information

Supply chain partners must ensure they pass this SDS, and all other relevant safety information to their customers.

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