

**SAFETY DATA SHEET** 

UREA MICROPRILL FEED GRADE

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

1.1 Product identifier	
Product name	: UREA MICROPRILL FEED GRADE
EC number	: 200-315-5
REACH Registration number	: Not applicable.
CAS number	: 57-13-6
Product code	: 7666-32037
Product description	: Urea Microprill Feed Grade
Product type	: Solid.
Other means of identification	: Not applicable.

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

Identified uses
For further manufacture of feed.
Uses advised against
Not to be used as an ingredient for human food.

#### 1.3 Details of the supplier of the safety data sheet

Agrium U.S. Inc. (A Subsidiary of Nutrien Ltd.) 5296 Harvest Lake Dr. Loveland, CO 80538 United States e-mail address of person : sds@nutrien.com responsible for this SDS

1.4 Emergency telephone number

<u>Supplier</u>	
Emergency telephone	: Nutrien Global 24 hour Emergency Telephone Number
	In case of transportation emergencies, or medical emergencies, involving Nutrien products, call:

## **SECTION 2: Hazards identification**

2.1	Classification of the substance or mixture	

Product definition : Substance of mixture <u>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</u> Not classified.

The product is NOT classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 11 for more detailed information on health effects and symptoms.

UREA MICROPRILL FEED GRADE

## **SECTION 2: Hazards identification**

2.2 Label elements	
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	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	ents
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.

#### 2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: PBT	Р	В	Т	vPvB	vP	vB	
	No	N/A	N/A	No	N/A	N/A	N/A	
Other hazards which do	• Handling a	nd/or proces	sing of this	s material r	may generate	a dust which	i can cause	2

not result in classification

ing of this material may iiiiiy a mechanical irritation of the eyes, skin, nose and throat.

## **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
Urea	EC: 200-315-5 CAS: 57-13-6	>98	Not classified.	[A]
Urea, polymer with formaldehyde	EC: 618-464-3 CAS: 9011-05-6	<2	Not classified.	[A]
Biuret	EC: 203-559-0 CAS: 108-19-0	<1.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[B]
			See Section 16 for the full text of the H statements declared above.	

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>

UREA MICROPRILL FEED GRADE

## **SECTION 3: Composition/information on ingredients**

[A] Constituent

[B] Impurity

[C] Stabilizing additive

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

### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. If possible, remove contact lenses being careful not to cause additional eye damage. Get medical attention if irritation occurs.
Inhalation	: Remove person to fresh air and keep 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	: Rinse skin with water. Remove contaminated clothing and shoes. Wash clothing before reuse. 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. Decontamination measures may be necessary. Personnel and equipment must be checked and decontaminated prior to leaving the area.

#### 4.2 Most important symptoms and effects, both acute and delayed

#### Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include the following: irritation redness watering
Inhalation	: Adverse symptoms may include the following: irritation coughing
Skin contact	: Adverse symptoms may include the following: dryness redness
Ingestion	: Adverse symptoms may include the following: stomach pains bloating

#### 4.3 Indication of any immediate 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.
Specific treatments	: Under controlled feeding conditions, urea is used as a nutritional supplement in cattle and other animals. The toxic dose in cattle given urea for the first time is considered to be 0.45 g/kg or a total of 100-200 g. Mature bulls can digest as much as 400 grams per day without ill effects. As little as 50 g may cause adverse effects in cattle not accustomed to it.
	Animal Antidote and Emergency Treatment: In animals, the cold water - acetic acid treatment may work. The adult cow is given 19-38 liters cold water and 3.8 liters of 5% acetic acid (vinegar) orally. This treatment limits absorption of ammonia from the rumen by diluting the rumen

contents and slowing the rate of hydrolysis of urea by decreasing rumen pH and temperature. The treatment also promotes urine flow that, if maintained by fluid therapy, may assure recovery from urea toxicity. Gaseous or fluid bloat should be

UREA MICROPRILL FEED GRADE

### **SECTION 4: First aid measures**

relieved before pumping water into the rumen. Consult your veterinarian immediately.

If necessary, veterinary advice may be obtained by calling the Medical Emergency number in Section 1.

SECTION 5: Firefighting measures			
5.1 Extinguishing media			
Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.	
Unsuitable extinguishing media	:	None known.	
5.2 Special hazards arising	fron	n the substance or mixture	
Hazards from the substance or mixture	-	Not considered to be flammable. No specific fire or explosion hazard.	
Hazardous combustion products	:	Material will not burn. Undergoes thermal decomposition at elevated temperatures to produce solid cyanuric acid and release toxic and combustible gases (ammonia, carbon dioxide, and oxides of nitrogen).	
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. No action shall be taken involving any personal risk or without suitable training. Contain and collect the water used to fight the fire for later treatment and disposal.	
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.	

## **SECTION 6: Accidental release measures**

6.1 Personal precautions, pro	ote	ctive equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized 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 spilled 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 materials for	r c	ontainment and cleaning up
Small spill	:	Put on appropriate personal protective equipment (see Section 8). Move containers from spill area. Recover the material and use it for the intended purpose. or Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

UREA MICROPRILL FEED GRADE

### SECTION 6: Accidental release measures

Large spill	: Put on appropriate personal protective equipment (see Section 8). Move container from spill area. Prevent entry into sewers, water courses, basements or confined areas. Use appropriate equipment to put the spilled substance in a container for reuse or disposal. Recycle to process, if possible.			
	emergency contact information and Section 13 for waste disposal.			
6.4 Reference to other sections	<ul> <li>See Section 1 for emergency contact information.</li> <li>See Section 8 for information on appropriate personal protective equipment.</li> <li>See Section 13 for additional waste treatment information.</li> </ul>			

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

Protective measures	<ul> <li>Put on appropriate personal protective equipment (see Section 8). Avoid contac with eyes, skin and clothing. Do not ingest. Avoid breathing dust.</li> </ul>	;t
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. 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.	3

#### 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 transported or stored in bulk. This may damage equipment and endanger workers. The risk of cliffing and sudden collapse increases if product is loaded or stored when hot or in high humidity conditions. Avoid forming steep slopes when removing product. If product has caked, cliffed, or has adhered to the storage or transport container, stay out of the potential engulfment zone in case the material collapses. Do not enter bins, railcars or trucks without conducting a risk assessment and following all confined space entry requirements. Ensure that consideration is given to fall protection and mobile equipment securement if applicable. Carefully loosen the set product from outside the container using mechanical vibration, sledge hammers, or other devices.

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**

: Not available.

Industrial sector specific solutions

: Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

#### 8.1 Control parameters

### **Occupational exposure limits**

No exposure limit value known.

UREA MICROPRILL FEED GRADE

## **SECTION 8: Exposure controls/personal protection**

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 monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
--------------------------------------	--

#### **DNELs/DMELs**

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Urea	DNEL	Short term Inhalation	292 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	125 mg/m³	General population [Consumers]	Systemic

DNEL/DMEL Summary : Very low toxicity to humans or animals.

#### **PNECs**

Product/ingredient name	Compartment Detail	Value	Method Detail		
Urea	Fresh water	0.47 mg/l	Assessment Factors		
PNEC Summary : Slightly harmful to aquatic organisms. Very low acute toxicity to fish.					

#### 8.2 Exposure controls

Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Individual protection measu	ures	
Contact your personal protective	/e ec	quipment manufacturer to verify the compatibility of the equipment for the intended purpose.
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Possible: Cotton or cotton/synthetic overalls or coveralls are normally suitable.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Date of issue/Date of revision

UREA MICROPRILL FEED GRADE

### **SECTION 8: Exposure controls/personal protection**

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### 9.1 Information on basic physical and chemical properties

<u>Appearance</u>		
Physical state	;	Solid. [Solid beads.]
Color	;	White.
Odor	;	Characteristic.
Odor threshold	;	Not available.
Melting point/freezing point	;	133°C
Initial boiling point and boiling range	:	Not available.
Flammability (solid, gas)	:	Not available.
Upper/lower flammability or explosive limits	:	Not applicable.
Flash point	:	Not applicable.
Auto-ignition temperature	:	Not applicable.
Decomposition temperature	;	135°C
рН	÷	7.2 [Conc. (% w/w): 10%]
Viscosity	÷	Not applicable.
Solubility(ies)	÷	Easily soluble in the following materials: cold water and hot water.
Solubility in water	;	1080 g/l
Partition coefficient: n-octanol/ water	:	-1.59
Vapor pressure	:	0.08 kPa (0.6 mm Hg) [room temperature]
Evaporation rate	÷	Not available.
Relative density	;	1.33
Vapor density	;	Not applicable.
Explosive properties	;	Not available.
Oxidizing properties	:	Not available.
Particle characteristics		
Median particle size	;	Not available.

## **SECTION 10: Stability and reactivity**

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	:	Absorbs moisture on long-term storage under high humidity conditions. Decomposes on heating. Keep away from incompatible materials.

Date of issue/Date of revision

UREA MICROPRILL FEED GRADE

## **SECTION 10: Stability and reactivity**

10.5 Incompatible materials	: Incompatible with halogens, hydrogen peroxide, chlorinated hydrocarbons, fluo nitric acid, oxidizing agents and sulfuric acid.	orine,

**10.6 Hazardous** : Under normal conditions of storage and use, hazardous decomposition products should not be produced. decomposition products

## **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Urea	LD50 Oral	Rat - Male, Female	14300 mg/kg	-
Urea, polymer with formaldehyde	LD50 Oral	Rat	8394 mg/kg	-

Conclusion/Summary : Non-hazardous substance.

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Urea	14300	N/A	N/A	N/A	N/A
Urea, polymer with formaldehyde	8394	N/A	N/A	N/A	N/A

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Urea	Skin - Edema	Rabbit	0	-	72 hours

#### **Conclusion/Summary**

Skin	<ul> <li>May cause slight transient irritation. Prolonged or repeated contact may dry skin and cause irritation. Effects are not sufficient for classification as hazardous.</li> </ul>
Eyes	: May cause irritation due to mechanical action.
Respiratory	: Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.
Sensitization	

Product/ingredient name	Route of exposure	Species	Result
Urea	skin	Mouse	Not sensitizing

#### **Conclusion/Summary**

Skin

: No known significant effects or critical hazards.

: No known significant effects or critical hazards.

#### Respiratory **Mutagenicity**

Product/ingredient name	Test	Expe	eriment	Result	
Urea	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vi Subject: Bacteria	itro 1	Negative	
Conclusion/Summary	: No known significant e	effects or critical ha	azards.		
<b>Carcinogenicity</b>					
Conclusion/Summary	: No known significant e	effects or critical ha	azards.		
Reproductive toxicity					
<b>Conclusion/Summary</b>	: No known significant e	effects or critical ha	azards.		
<b>Teratogenicity</b>					
Conclusion/Summary	: No known significant e	effects or critical ha	azards.		
Date of issue/Date of revision	: 10/5/2022 Date of pr	evious issue	: No previous validation	Version : 1	8/13

UREA MICROPRILL FEED GRADE

<b>SECTION 11: Toxic</b>	ological information
Specific target organ toxi	<u>city (single exposure)</u>
Specific target organ toxi	<u>city (repeated exposure)</u>
Not available.	
Aspiration hazard	
Not available.	
Information on the likely routes of exposure	: Routes of entry anticipated: Dermal. Eye contact.
Potential acute health effect	<u>ets</u>
Eye contact	: May cause irritation due to mechanical action.
Inhalation	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	: Prolonged or repeated contact may dry skin and cause irritation.
Ingestion	: Over-exposure by ingestion is unlikely under normal working conditions. No known significant effects or critical hazards.
Symptoms related to the pl	hysical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: irritation redness watering
Inhalation	: Adverse symptoms may include the following: irritation coughing
Skin contact	: Adverse symptoms may include the following: dryness redness
Ingestion	: Adverse symptoms may include the following:

## bloating

stomach pains

<b>Delayed and immediate effect</b>	ts and also chronic effects from short and long term exposure
<u>Short term exposure</u>	
Potential immediate effects	: See above.
Potential delayed effects	: See below.
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	12 months Continuous
Conclusion/Summary	: No known significant effects	or critical hazards		
General	: No known significant effects	or critical hazards		
Carcinogenicity	: No known significant effects	or critical hazards		
Mutagenicity	: No known significant effects	or critical hazards		
Reproductive toxicity	: No known significant effects	or critical hazards		

Date of issue/Date of revision

UREA MICROPRILL FEED GRADE

## **SECTION 11: Toxicological information**

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Urea	Acute EC50 6573.1 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 3910000 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 22500 mg/l Chronic NOEC 2 g/L Fresh water	Fish - Tilapia - Fry Fish - Heteropneustes fossilis	48 hours 30 days
Conclusion/Summary	: No known significant effects or critica	l hazards.	_!

#### 12.2 Persistence and degradability

**Conclusion/Summary** : Readily biodegradable

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Urea	-1.59	-	low
Urea	<-1.73	-	low

12.4	Mobi	lity	in	soil	
------	------	------	----	------	--

Soil/water partition coefficient (Koc)	: 0.037
Mobility	: Not available.

#### 12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB
Urea	No	N/A	N/A	No	N/A	N/A	N/A

**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. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
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.

#### European waste catalogue (EWC)

	Waste code	Waste designation
	06 10 99	wastes not otherwise specified
_		

#### Packaging

Date of issue/Date of revision

UREA MICROPRILL FEED GRADE

### SECTION 13: Disposal considerations

Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	ΙΑΤΑ
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.

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 : Not available. according to IMO instruments

## 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 authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

**Other EU regulations** 

**Industrial emissions** : Not listed (integrated pollution prevention and control) -Air

UREA MICROPRILL FEED GRADE

## **SECTION 15: Regulatory information**

•	•
Industrial emissions (integrated pollution prevention and control) Water	- Not listed
Ozone depleting substant Not listed.	<u>inces (1005/2009/EU)</u>
Prior Informed Consent Not listed.	<u>(PIC) (649/2012/EU)</u>
Persistent Organic Poll Not listed.	<u>utants</u>
Seveso Directive This product is not contro National regulations International regulations Chemical Weapon Conve Not listed.	Iled under the Seveso III Directive. Intion List Schedules I, II & III Chemicals
Montreal Protocol Not listed.	
Stockholm Convention of Not listed.	n Persistent Organic Pollutants
Rotterdam Convention on Not listed.	n Prior Informed Consent (PIC)
UNECE Aarhus Protocol Not listed.	on POPs and Heavy Metals
Inventory list	
Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: Not determined.
Japan	: Japan inventory (CSCL): All components are listed or exempted. Japan inventory (ISHL): 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.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: All components are active or exempted.
Viet Nam	: All components are listed or exempted.
15.2 Chemical Safety Assessment	: Complete.

UREA MICROPRILL FEED GRADE

## **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	<ul> <li>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 N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number</li> </ul>
	SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

#### Full text of abbreviated H statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

#### Full text of classifications [CLP/GHS]

Eye Irrit. 2 Skin Irrit. 2 STOT SE 3	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3
Date of issue/ Date of revision	: 10/5/2022
Date of previous issue	No previous validation
Version	: 1
Notice to reader	

#### Notice to reader

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

#### DISCLAIMER AND LIMITATION OF LIABILITY

The information and recommendations contained in this Safety Data Sheet ("SDS") relate only to the specific material referred to herein (the "Material") and do not relate to the use of such Material in combination with any other material or process. The information and recommendations contained herein are believed to be current and correct as of the date of this SDS. HOWEVER, THE INFORMATION AND RECOMMENDATIONS ARE PRESENTED WITHOUT WARRANTY, REPRESENTATION OR LICENSE OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THEIR ACCURACY, CORRECTNESS OR COMPLETENESS, AND THE SELLER, SUPPLIER AND MANUFACTURER OF THE MATERIAL AND THEIR RESPECTIVE AFFILIATES (COLLECTIVELY, THE "SUPPLIER") DISCLAIM ALL LIABILITY FOR RELIANCE ON SUCH INFORMATION AND RECOMMENDATIONS. This SDS is not a guarantee of safety. A buyer or user of the Material (a "Recipient") is responsible for ensuring that it has all current information necessary to safely use the Material for its specific purpose.

FURTHERMORE, THE RECIPIENT ASSUMES ALL RISK IN CONNECTION WITH THE USE OF THE MATERIAL. THE RECIPIENT ASSUMES ALL RESPONSIBILITY FOR ENSURING THE MATERIAL IS USED IN A SAFE MANNER IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL, HEALTH, SAFETY AND SECURITY LAWS, POLICIES AND GUIDELINES. THE SUPPLIER DOES NOT WARRANT THE MERCHANTABILITY OF THE MATERIAL OR THE FITNESS OF THE MATERIAL FOR ANY PARTICULAR USE AND ASSUMES NO RESPONSIBILITY FOR INJURY OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY OR RELATED TO THE USE OF THE MATERIAL.