

### **SAFETY DATA SHEET**

### **Urea Prilled Industrial Grade**

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

### 1.1 Product identifier

Product name : Urea Prilled Industrial Grade

**EC number** : 200-315-5

**REACH Registration number** 

Registration number	Substance
01-2119463277-33-XXXX	Urea

**CAS number** : 57-13-6

Product code : \$\infty 866-31692; 6596-31692 Product description : Urea Prilled Industrial Grade

Product type : Solid.

Other means of : Not available.

identification

Chemical formula : (NH2)2CO

### 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
Not applicable	Non-hazardous substance.

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

Mutrien 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 responsible for this SDS

: productsafety@nutrien.com

#### 1.4 Emergency telephone number

### National advisory body/Poison Centre

**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

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BULGARIA +359 2 9154 378; +359 887 435 325

CROATIA +358 1 2348 342

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Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 1/15

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

ESTONIA 16662; +372 62 69 379 FINLAND +358 9 471977 **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)

Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 2/15

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

THE FORMER YUGOSLAVIA +38 923 147 635 TURKEY +90 0312 433 70 01 or 0 800 314 7900

UNITED KINGDOM
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**: Mutrien 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 : Safety data sheet available on request.

elements

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.

Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 3/15

### SECTION 2: Hazards identification

Tactile warning of danger : Not applicable.

2.3 Other hazards

Substance meets the criteria for PBT according : No.

to Regulation (EC) No. 1907/2006, Annex XIII

Not applicable. Inorganic salt.

Substance meets the criteria for vPvB according : No.

to Regulation (EC) No. 1907/2006, Annex XIII

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 Biuret	REACH #: 01-2119463277-33-XXXX EC: 200-315-5 CAS #: 57-13-6 EC: 203-559-0 CAS #: 108-19-0	98	Not classified.  Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[A]
			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.

**Type** 

[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 measures

**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

**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. Firstaiders with contaminated clothing should be properly decontaminated.

Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version :1.3 4/15

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

#### 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

**Inhalation** : Adverse symptoms may include the following:

respiratory tract irritation

coughing

Skin contact : No specific data.

Ingestion : No specific data.

### 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. For professional, multilingual, medical 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: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media

: Non-flammable. Material will not burn. Decomposes on heating. Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

: Not applicable.

#### 5.2 Special hazards arising 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.

Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 5/15

### SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective 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

**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. 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** 

: 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 : Manufacture of fertilisers and nitrogen compounds

Manufacture of chemical products.

**Industrial sector specific** solutions

: Non-hazardous substance. Not applicable

Date of issue/Date of revision Date of previous issue : 12/9/2019 : 3/22/2019 Version : 1.3 6/15

### **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**

Product/ingredient name	Type	Exposure	Value	Population	Effects
<b>☑</b> rea	DNEL	Short term Inhalation	292 mg/m³	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
<b>☑</b> rea	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

: Use with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### **Individual protection measures**

**Hygiene measures** 

: Solid, low dustiness. If dust is generated and ventilation is inadequate, use respirator that will protect against dust/mist. Wash hands after handling.

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 operating conditions cause high dust concentrations to be produced, use dust goggles.

#### **Skin protection**

**Hand protection** 

: The personal protective equipment required varies, depending upon your risk assessment. Suggested personal protective equipment: leather work gloves

**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.

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** 

: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**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.

Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 7/15

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

### 9.1 Information on basic physical and chemical properties

**Appearance** 

**Physical state** : Solid. [Solid beads.]

Colour White.

**Odour** Ammoniacal. [Slight]

**Odour threshold** : Not available.

pН : 7.5 to 9.5 [Conc. (% w/w): 10%]

Melting point/freezing point : 133°C

Initial boiling point and

boiling range Flash point

: Not available.

[Product does not sustain combustion.]

**Evaporation rate** Not available.

Non-flammable substance. Non-combustible. Flammability (solid, gas)

Upper/lower flammability or

explosive limits

: Not applicable.

Vapour pressure : 0.0000013 kPa [20°C]

Vapour density : Not available.

1.33 **Relative density** 

Solubility(ies) : Easily soluble in the following materials: cold water and hot water.

Partition coefficient: n-octanol/ : <-1.73

water

**Auto-ignition temperature** : Not applicable.

: >135°C **Decomposition temperature** 

**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

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

oxidizing materials

Date of issue/Date of revision : 12/9/2019 : 3/22/2019 Version :1.3 8/15 Date of previous issue

Urea Prilled Industrial Grade

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

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**

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

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.

#### **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 effects or critical hazards.

Specific target organ toxicity (single exposure)

Not available.

Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 9/15

### **SECTION 11: Toxicological information**

Specific target organ toxicity (repeated exposure)

Not available.

**Aspiration hazard** 

Not available.

Information on likely routes

of exposure

: Skin contact

Inhalation (dusts and mists)

Potential acute health effects

**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 Ingestion No known significant effects or critical hazards.No known significant effects or critical hazards.

### Symptoms related to the physical, 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** 

: See above.

effects

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 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.

Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 10/15

Urea Prilled Industrial Grade

### **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** 

 Practically non-toxic to aquatic organisms. Based on available data, the classification criteria are not met.

### 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	Photolysis	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 : 0.037

coefficient (Koc)

**Mobility** : Not available.

#### 12.5 Results of PBT and vPvB assessment

PBT : No.

Not applicable. Inorganic salt.

vPvB : 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. 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** 

Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 11/15

Urea Prilled Industrial Grade

### 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.

Empty containers or liners may retain some product residues. Avoid dispersal of **Special precautions** 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.

Date of issue/Date of revision : 3/22/2019 : 12/9/2019 Date of previous issue Version : 1.3 12/15

Urea Prilled Industrial Grade

### **SECTION 15: Regulatory information**

Annex XVII - Restrictions : Not applicable.

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

**Europe inventory** : This material is listed or exempted.

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

**Seveso Directive** 

This product is not controlled under the Seveso III Directive.

**International regulations** 

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

**Stockholm Convention on Persistent Organic Pollutants** 

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

**UNECE Aarhus Protocol on 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.

15.2 Chemical safety

assessment

: Complete.

Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 13/15

### **SECTION 16: Other information**

**Revision comments** : A new product.

Indicates information that has changed from previously issued version.

**Abbreviations and** 

acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/20081

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

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

Classification	Justification
Not classified.	Weight of evidence

### 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, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
	(Respiratory tract irritation) - Category 3

Date of issue/ Date of

revision

: 12/9/2019

1.3

Date of previous issue : 3/22/2019

Version

**Notice to reader** 

Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 14/15

Urea Prilled Industrial Grade

### **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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Date of issue/Date of revision : 12/9/2019 Date of previous issue : 3/22/2019 Version : 1.3 15/15