

MSDS

UREA

Regulatory Commission (EU) 2020/878 of June 18, 2020 (revision 13.12.2022)

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

1.1. Identification of product

| | |
|------------------|---|
| Product name | Granular urea, crystalline urea, industrial urea, animal feed urea, miniprill urea. |
| Chemical name | Urea |
| Chemical formula | CO(NH ₂) ₂ |
| Index number | NA |
| EINECS number | 200-315-5 |
| CAS number | 57-13-6 |
| REACH | 01-2119463277-33-0022 |
| UFI | Does not apply since it is a substance |

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

| | |
|-------------------------------|--|
| Use of the product/processing | Use as fertilizer and in the preparation of mixtures, as an intermediate in industrial processes, process additive as an auxiliary agent, laboratory chemical product, additive for animal feed, NOx treatment and reduction, cosmetics. |
|-------------------------------|--|

| | |
|----------------------|-----------------------------------|
| Uses not recommended | Others other than those indicated |
|----------------------|-----------------------------------|

1.3. Supplier data

| | |
|-----------------|---|
| Supplier | SAISA CHEMICALS |
| Address | C. JUAN HURTADO DE MENDOZA 15, 1º POST 28036 MADRID (SPAIN) |
| Phone | +34 91345 94444 |
| Email | saisa@saisa.es |
| Emergency phone | +34 9156 20420 |

SECTION 2: Identification of risks

2.1 Classification of the substance or the mixture according to the Regulation (EC) No. 1272/2008 (CLP)

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

2.2. Label elements

| | |
|--|--|
| Hazards pictograms | NA |
| Warning words | NA |
| Hazardous components to be indicated in the labeling | NA |
| Hazard statements | NA |
| Precautionary advice | P102 Keep out of the reach of children P270 Do not eat, drink or smoke during use |
| Additional data | NA |
| Additional elements that must appear in tags | NA |
| Annex XVII – restrictions on manufacturing, the marketing and use of certain dangerous substances, mixtures and articles | NA |
| Special packaging requirements | NA |
| Special packaging requirements | NA |
| Tactile danger warning | NA |

2.3. Other hazards

| | |
|--|------------------------------------|
| Other dangers that do not involve product classification | None known |
| Results of PBT and vPvB assessment | NA |
| Determination of alteration properties endocrine | None of the components are listed. |

SECTION 3: Composition/ingredient information

3.1. Substances

| | |
|--------------|-----------|
| Product name | Urea |
| CAS number | 57-13-6 |
| EC number | 200-315-5 |

3.2. Mixtures

| | |
|------------------------|---|
| Description | NA |
| Additional information | The text of the possible risks indicated here can be consulted in chapter 16. |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------|---|
| General instructions | Provide medical assistance to affected people. Persons providing first aid are recommended to use personal protective equipment. Delayed effects on exposure may occur. |
| Inhalation | Remove from display. In severe cases, or if recovery is not rapid or complete, seek medical attention. |
| Intake | Wash out mouth with water. Do not induce vomiting. If the patient is conscious, give water to drink. If the patient feels unwell, seek medical attention. |
| Skin contact | Rinse with plenty of water. Remove contaminated clothing and wash it before reuse. If irritation persists, seek medical attention. |
| Eye contact | Irrigate abundantly with water for at least 10 minutes. Get medical attention. |

4.2. Main symptoms and effects, acute and delayed

| | |
|--------------|---------------------------------------|
| Eye contact | Redness, itching, stinging. |
| Inhalation | Difficulty breathing. |
| Skin contact | Prolonged contact may cause dry skin. |
| Intake | Nausea, vomiting, cough. |

4.3. Indication of any medical attention and special treatments that must be provided immediately.

No action should be taken that involves personal risk or without adequate training. Avoid direct mouth-to-mouth resuscitation, as it can be dangerous for the person providing help. Use other methods for resuscitation, preferably oxygen or compressed air equipment. Treat according to the following indications:

| | |
|----------------------|--|
| Notes for the doctor | Symptomatic treatment |
| Specific treatments | There is no specific treatment. It depends on specialized medical observation. |

SECTION 5: Extinguishing measures

5.1. Extinguishing measures: the product is not flammable

Suitable extinguishing media: Dry powder, carbon dioxide (CO₂), foam.

Unsuitable extinguishing media: None.

5.2. Specific hazards arising from the substance or mixture: possible formation of toxic gases in case of heating or fire.

Thermal decomposition products dangerous Carbon oxides, nitrogen oxides (NO_x), ammonia.

5.3. Recommendations for firefighting personnel.

Firefighters should wear appropriate protective equipment and a self-contained breathing apparatus (SCBA) with a full facepiece operating in positive pressure mode. Clothing for fire-fighting personnel (including helmets, protective boots) must conform to European standard EN 469 and gloves to EN 659. This will provide a basic level of protection for chemical incidents and must be fire resistant. The facility must have sufficient protective equipment available to deal with fires.

SECTION 6: Measures in case of accidental spill

6.1. Precautions, protective equipment and emergency procedures

For non-emergency services personnel:

Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. In case of spills and leaks without fire, vapor protective clothing should be worn. Stop leak if you can do so without risk. Keep unnecessary people away, isolate the danger area and prevent entry. Eliminate combustion sources. Stay upwind, out of low areas, and ventilate enclosed spaces before entering. Assess the affected area to determine if evacuation is necessary. If it is necessary to evacuate the danger area, you should follow the advice of an expert. If you take shelter in the facility, tape off the windows and doors, closing outside air inlets (attic fans, etc.) and placing a damp towel or cloth over your face (if necessary).

For emergency personnel:

If specialized clothing is required to treat the spill, note any information on suitable and unsuitable materials. See also the information in "for non-emergency services personnel"

6.2. Environmental precautions

In the event of accidental spills and leaks, avoid the dispersion of the spilled material, runoff and contact with the ground, water courses (surface and underground), drains and sewers. Inform the competent authorities if the product has caused adverse impacts (sewers, water courses, soil or air).

6.3. Containment and cleaning methods and materials

In the event of accidental spills and leaks, you must avoid disposing of the spilled material. Use water spray or foam to control vapors. Make a protective barrier and ensure the closure of drains with appropriate containment material. Absorb with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder (sawdust)). Sweep and shovel into suitable containers for disposal..

6.4. Reference to other sections

See section 1 for emergency contact information.
See section 8 for information regarding appropriate personal protective equipment.
Consult Section 13 for additional information regarding waste treatment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Technical precautionary measures

Put on appropriate personal protective equipment. Avoid contact with eyes, skin or clothing. Do not breathe vapors or mist. Do not eat. To avoid it's releasing into the environment. Keep in the original container or an approved alternative made of compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be dangerous. Do not reuse the container. Avoid handling incompatible substances, see section 7.2 and 10.

General hygiene recommendations in the workplace:

Eating, drinking or smoking should be prohibited in places where this product is handled, stored or treated. Workers should wash their hands and face before eating, drinking or smoking. Remove production equipment and contaminated clothing before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including possible incompatibilities

Avoid contact and packaging with incompatible substances or mixtures. See section 10; avoid proximity to potential sources of ignition (including electrical material); store in a location that allows you to avoid adverse weather conditions (high temperatures); avoid direct sunlight; Ensure good ventilation of the storage area. Ensure that the quantities that can be stored are not exceeded. See section 15.

7.3. Specific end uses

Use only as contemplated in device 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

There is no occupational exposure limit value available.

Recommended control procedures

If this product contains ingredients with exposure limits, personal, workplace atmospheric, or biological monitoring may be necessary to determine the effectiveness of ventilation or other control measures and/or the need for respiratory protective equipment. Control standards such as the following European Standard EN 689 (Atmospheres in the workplace. Guidelines for the assessment of exposure by inhalation of chemical agents for comparison with limit values and measurement strategy), European Standard, may be used as a reference. EN 14042 (Atmospheres in the workplace, Guidelines for the application and use of procedures to assess exposure to chemical and biological agents) European Standard for the performance of measurement procedures for chemical agents). National guidance documents on methods for the determination of hazardous substances should also be used as a reference.

Levels with derived effects

No DEL values available.

Predicted Effect Concentrations

Predicted Effect Concentrations

Components with permissible limit values that must be controlled in the workplace

NA

| DNEL | | | | | | |
|---------------------------------------|-------------------------------------|---------------|--------------------------|--|--|----------------|
| Substancia | | | | 57-13-6 | | |
| | | | | Urea | | |
| Industrial/ professional worker | Inhalation (mg/m ³) | Long term | Systemic | 292 mg/m ³ | | |
| | | | Local | 292 mg/m ³ | | |
| | | Short term | Systemic | No risk identified | | |
| | | | Local | No risk identified | | |
| | Dermal (mg/kg pc/día) | Long term | Systemic | 580 mg/kg pc/d | | |
| | | | Local | 580 mg/kg pc/d | | |
| | | Short term | Systemic | No risk identified | | |
| | | | Local | No risk identified | | |
| | Ocular (mg/kg pc/día) | Long term | Systemic | Not available | | |
| | | | Local | Not available | | |
| | | Short term | Systemic | No risk identified | | |
| | | | Local | No risk identified | | |
| Consumer | Inhalatorio (mg/m ³) | Long term | Systemic | 125 mg/m ³ | | |
| | | | Local | 125 mg/m ³ | | |
| | | Short term | Systemic | Risks are unknown but no further information is needed as exposure is not expected to occur. | | |
| | | | | Local | Risks are unknown but no further information is needed as exposure is not expected to occur. | |
| | | | Dermal (mg/kg pc/día) | | Long term | Systemic |
| | | | | Local | | 580 mg/kg pc/d |
| | | Short term | | Systemic | No risk identified | |
| | | | | Local | No risk identified | |
| | Oral (mg/kg pc/día) | Long term | Systemic | 42 mg/kg pc/d | | |
| | | | Local | 42 mg/kg pc/d | | |
| | | Short term | Systemic | No risk identified | | |
| | | | Local | No risk identified | | |
| | Ocular (mg/kg pc/día) | Long term | Systemic | Not available | | |
| | | | Local | Not available | | |
| | | Short term | Systemic | No risk identified | | |
| | | | Local | No risk identified | | |

| PNEC | |
|---------------------------------------|---|
| Substancia | 57-13-6 Urea |
| Sweet water (mg/L) | 0,47 |
| Saltwater (mg/L) | 0,047 |
| STP (mg/L) | No risk identified |
| Freshwater sediment (mg/L) | Sediment is not expected to be exposed to the substance |
| Salt water sediment (mg/L) | Sediment is not expected to be exposed to the substance |
| Air (mg/L) | No risk identified |
| soil (mg/L) | Soil is not expected to be exposed to the substance |
| Predators (secondary poisoning)(mg/L) | Soil is not expected to be exposed to the substance |
| Components with values | They do not exist. |
| Additional information | The current lists of occupational exposure limits at the time of preparation have been used as a basis. |

8.2. Exposure control

Individual protection measures, such as personal protective equipment.

Appropriate technical controls:

- Ensure adequate ventilation.
- Apply technical measures to comply with professional exposure limits.
- Consult the protection measures indicated in sections 7 and 8.

General protection and hygiene measures:

Wash hands, forearms and face thoroughly after handling chemicals, before eating, smoking and using the toilet, and at the end of the work period.

Use appropriate techniques to dispose of contaminated clothing. Wash contaminated clothing before using it again. Verify that running water is available near the workplace.

Eye/face protection:

Use personal protective equipment during the use and handling of the product.

Hand protection:

Wear suitable gloves (e.g. rubber or PVC) when handling the product for long periods of time.

Gloves Material:

Nitrile rubber.

Others:

Use personal protective equipment during the use and handling of the product.

Respiratory protection:

If the dust concentration is high and/or ventilation is inadequate, use a dust mask or a mask with a suitable filter (e.g. EN 143, 149, P1 filter)

Thermal hazards:

Not applicable due to the physical-chemical characteristics of the product.

Environmental exposure controls

General ventilation should be sufficient for most operations. Local ventilation may be necessary for some operations.

SECTION 9: Physical and chemical properties

9.1. Basic information on physical and chemical properties

Physical state
Colour

Solid
White

| | |
|---|---|
| Odor | Odorless |
| Odor threshold | Not available |
| Melting point/freezing point | 135°C |
| Initial boiling point and boiling range | Indeterminate |
| Inflammability | Non-flammable |
| Upper/lower explosion limits | NA |
| Flash point | Not applicable due to the physical-chemical characteristics of the product. |
| Autoignition temperature | No hay información disponible |
| Decomposition temperature | > 134°C |
| pH | 9,2-9,5 |
| Viscosity | |
| Kinematics | Undetermined. |
| Dynamic | Undetermined. |
| Water solubility | a 20°C 800 g/l |
| n-octanol/water partition coefficient | a 20°C -1,73 log POW |
| Vapor pressure (20°C) | Not applicable due to the physical-chemical characteristics of the product.. |
| Density and/or relative density | Not available |
| Relative vapor density | Not available |
| Particle characteristics | The generic specification of the substance agreed by the consortium specifies |

9.2. Other information

| | |
|---|---|
| Shape | Granulated |
| Explosive properties | the product is not explosive |
| Oxidizing properties | Not available |
| Information regarding physical hazard class | |
| Explosive | Not applicable due to the physical-chemical characteristics of the product. |
| Flammable gases | Not applicable due to the physical-chemical characteristics of the product. |
| Aerosol sprays | Not applicable due to the physical-chemical characteristics of the product. |
| Oxidizing gases | Not applicable due to the physical-chemical characteristics of the product. |
| Gases under pressure | Not applicable due to the physical-chemical characteristics of the product. |
| Flammable liquids | Not applicable due to the physical-chemical characteristics of the product. |
| Flammable solids | Not applicable due to the physical-chemical characteristics of the product. |
| Substances and mixtures that react | Not applicable due to the physical-chemical characteristics of the product. |
| Pyrophoric liquids | Not applicable due to the physical-chemical characteristics of the product. |
| Sólidos pirofóricos | Not applicable due to the physical-chemical characteristics of the product. |
| Substances and mixtures that experience spontaneous warming | Not applicable due to the physical-chemical characteristics of the product |
| Substances and mixtures that emit inflammable gases able in contact with water. | |
| Spontaneous warming | Not applicable due to the physical-chemical characteristics of the product. |
| Oxidizing liquids | Not applicable due to the physical-chemical characteristics of the product. |
| Oxidizing solids | Not applicable due to the physical-chemical characteristics of the product. |
| Organic peroxides | Not applicable due to the physical-chemical characteristics of the product. |
| Corrosive to metals | Not applicable due to the physical-chemical characteristics of the product. |
| Non-sensitized explosives | Not applicable due to the physical-chemical characteristics of the product. |
| Other security features | |
| Mechanical sensitivity | Not applicable due to the physical-chemical characteristics of the product. |
| Self-accelerated polymerization temperature | Not applicable due to the physical-chemical characteristics of the product. |
| Formation of explosive dust-air mixtures | Not applicable due to the physical-chemical characteristics of the product. |
| Acid alkaline reserve | Not applicable due to the physical-chemical characteristics of the product. |
| Evaporation rate | Not available |
| Miscibility | Not available |
| Conductivity | Not applicable due to the physical-chemical characteristics of the product. |
| Corrosivity | Not applicable due to the physical-chemical characteristics of the product. |
| Gas group | Not applicable due to the physical-chemical characteristics of the product. |

Redox potential
Radical formation potential
Photocatalytic properties

Not applicable due to the physical-chemical characteristics of the product.
Not applicable due to the physical-chemical characteristics of the product.
Not applicable due to the physical-chemical characteristics of the product.

SECTION 10: Stability and reactivity

- | | |
|--|---|
| 10.1. Reactivity | Stable under recommended storage conditions. |
| 10.2. Chemical stability | Chemically stable under indicated conditions of storage, handling and use. |
| 10.3. Possibility of risk reactions | Exothermic reaction with: Metal chlorides, chlorites, chromates/perchromates, fluorine, nitrates, strong oxidizing agents, hydrogen peroxide, generates dangerous gases or fumes in contact with: bases, chlorinated solvents, risk of explosion/exothermic reaction with: ammonium nitrate, calcium hypochlorite, chlorine, chromium chloride, nitrous compounds, sodium hypochlorite, nitrous compounds, phosphorus pentachloride. |
| 10.4. Conditions to avoid | Avoid storage next to strong bases and/or strongly oxidizing or reducing substances. |
| 10.5. Incompatible materials | Incompatible with strong oxidants and bases. |
| 10.6. Hazardous decomposition products | Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides (NOx) |

SECCIÓN 11: Información toxicológica

saisa
chemicals

| Acute toxicity | | | | | |
|--|---------|--|-----------------------------------|---------------|---|
| Component | Nº CAS | Method | Species | Via | Result |
| Urea | 57-13-6 | OECD 425 | Rat | Oral | DL50 > 2000 mg/kg pc. |
| | | OECD 403 | Mouse | Inhalation | CL50 > 5 mg/L aire |
| | | OECD 402 | Rat | Cutaneous | DL50 > 5000 mg/kg pc |
| Based on available data, the classification criteria are not met | | | | | |
| Skin corrosion or irritation | | | | | |
| Urea | 57-13-6 | OECD 404 | Rabbit | Cutaneous | Non-irritating |
| Based on available data, the classification criteria are not met | | | | | |
| Serious eye damage or eye irritation | | | | | |
| Urea | 57-13-6 | Not specified | Rabbit | Cutaneous | Category 1. Causes serious eye injuries |
| Based on available data, the classification criteria are not met | | | | | |
| Sensibilización respiratoria o cutánea | | | | | |
| Urea | 57-13-6 | OECD 429 | Mouse | Cutaneous | Non-sensitizing |
| Based on available data, the classification criteria are not met | | | | | |
| Germ cell mutagenicity | | | | | |
| Urea | 57-13-6 | OECD 471 Not specified | Bacteria Chromosome aberration | | Non-sensitizing |
| Based on available data, the classification criteria are not met | | | | | |
| Carcinogenicity | | | | | |
| Urea | 57-13-6 | - | - | - | There are no studies available. Unnecessary from a scientific point of view. |
| Based on available data, the classification criteria are not met | | | | | |
| Reproductive toxicity | | | | | |
| Urea | 57-13-6 | OECD 422 | Rat | Oral | Inconclusive data for classification. -Effects on fertility: NOAEL: 750 mg/kg bw/d. -Developmental toxicity: NOAEL: 750 mg/kg bw/d. |
| Based on available data, the classification criteria are not met | | | | | |
| Specific target organ toxicity (STOT) - single exposure | | | | | |
| Urea | 57-13-6 | Not available | Not available | Not available | Not available |
| Based on available data, the classification criteria are not met | | | | | |
| Specific target organ toxicity (STOT) - repeated exposure | | | | | |
| Urea | 57-13-6 | OECD 422 | Rat | Oral | NOAEL: 250 mg/kg bw/d. The substance does not have to be classified as toxic through |
| Based on available data, the classification criteria are not met | | | | | |
| Aspiration hazard | | | | | |
| Urea | 57-13-6 | No known significant or critical hazardous effects | | | |
| Based on available data, the classification criteria are not met | | | | | |

SECTION 12: Ecological information

12.1. Toxicity

| Acoustic toxicity | | | | | |
|---|---------|---|-------------------------------|---------------------------------------|---------------------------|
| Component | Nº CAS | | Fishes | Crustaceans | Algae |
| Urea | 57-13-6 | Short term | CL50 (96h): 6810-28000 | There is no validated data | CE50 (24h) > 10000 mg/L |
| | | Long term | There is not validated data | Not available | NOEC/CE10 (192h): 47 mg/L |
| Terrestrial toxicity | | | | | |
| Component | Nº CAS | | Fishes | Crustaceans | Algae |
| Urea | 57-13-6 | Not available | Not available | Low toxicity | - |
| Microbiological activity in wastewater treatment plants | | | | | |
| Component | Nº CAS | Toxicity to aquatic microorganisms | | | |
| Urea | 57-13-6 | The 72-hour toxicity limit of urea for Entosiphon sulcatumto is 29 ng/l. The 16-hour toxicity limit of urea for Pseudomonas putidawas is > 10,000 mg/l. | | | |
| Component | Nº CAS | Degradation | | | |
| Urea | 57-13-6 | Hydrolysis | | No hydrolysis occurs. There's no need | |
| | | Photolysis | | There's no need | |
| | | Biodegradation | | There's no need | |
| Component | Nº CAS | Octanol-water partition coefficient (Kow) | Bioconcentration factor (BCF) | Observations | |
| Urea | 57-13-6 | NA | - | - | |

12.2 Persistence and degradability

| Component | Nº CAS | Degradation | |
|-----------|---------|----------------|---------------------------------------|
| Urea | 57-13-6 | Hydrolysis | No hydrolysis occurs. There's no need |
| | | Photolysis | There's no need |
| | | Biodegradation | There's no need |

12.3 Bioaccumulative potential

| Component | Nº CAS | Octanol-water partition coefficient (Kow) | Bioconcentration factor (BCF) | Observations |
|-----------|---------|---|-------------------------------|--------------|
| Urea | 57-13-6 | NA | - | - |

12.4 Mobility on the ground

| Component | Nº CAS | Result |
|-----------|---------|--|
| Urea | 57-13-6 | The absorption of urea in the soil increases as the concentration of added urea increases and the absorption coefficients range between 0.037-0.064. |

12.5 Results of PBT and vPvB assessment

NA

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

No known significant effects or critical risks.

SECTION 13: Relative considerations to elimination

13.1. Waste treatment methods

Removal methods

Waste management (disposal and recovery):

Consult the authorized waste manager for recovery and disposal operations in accordance with Annex 1 and Annex 2 (Directive (EU) 2018/851, Law 7/2022 of April 8, on waste and contaminated soils for a circular economy .

Packaging: according to codes 15 01 (Commission decision 2014/955/EU), if the packaging has been in direct contact with the product, it must be treated in the same way as the product itself, otherwise it must be treated as non-waste. dangerous. Discharge to wastewater is not recommended.

See section 6.2

Waste management provisions:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH), the community or national provisions on waste management are presented. Community legislation: Directive (EU) 2018/851, Commission Decision 2014/955/EU, Regulation (EU) No 1357/2014.

National legislation: Law 7/2022, of April 8, on waste and contaminated soils for a circular economy.

Residue code

Based on its current knowledge, the supplier does not consider this product as hazardous waste.

SECTION 14: Transportation information

| | Information Regulatory | ADR/RID | ADNR | IMDG | IATA |
|------|---|--|------|------|------|
| 14.1 | ONU number | | | - | |
| 14.2 | Official shipping name of the United Nations | | | - | - |
| 14.3 | Transport hazard class(es) | | | - | |
| 14.4 | Class | | | | |
| 14.5 | Label | | | | |
| 14.6 | Packaging group | | | - | |
| 14.7 | Environmental hazards | Product not classified as dangerous for the aquatic environment. | | | |
| 14.8 | Bulk maritime transport under IMO instruments | | | NA | |

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture

| | |
|---|---|
| EU Regulation (EC) No 1907/2006 (REACH) | This product complies with the REACH Regulation |
| SEVESO Category | NA |
| Threshold quantity (tonnes) for the purposes of applying the higher level requirements. | NA |
| Threshold quantity (tonnes) for the purposes of applying the higher level requirements | NA |
| Harmonized dangerous substances ANNEX VI (CLP) | No substances listed |
| Regulation (EC) No. 1907/2006-ANNEX XVII | NA |

| | |
|---|---|
| REGULATION (EU) 2019/1148 | |
| Annex I – Restricted explosive precursors (upper limit value for licensing purposes under Article 5(3)) | Does not contain the substance |
| Annex II - Notifiable explosive precursors | Does not contain the substance |
| Regulation (EC) No 273/2004 on drug precursors | Does not contain the substance |
| Regulation (EC) No 111/2005 laying down rules for the monitoring and trade of drug precursors between the Community and third countries | Does not contain the substance |
| Regulation (EU) 2009/1009 | This product complies with the Fertilizer Regulations |
| Regulation (EC) No 1272/2008 (CLP) | This product complies with the CLP Regulation |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer | NA to said substance |
| Regulation (EC) No 850/2004 on persistent organic pollutants and amending Directive 79/117/EEC | NA to said substance |
| Regulation (EC) No 649/2012 on the export and import of dangerous chemicals | NA to said substance |
| PBT/vPvB evaluation | NA to said substance |

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for this substance because it is not a substance classified as dangerous.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

INSHT: National Institute of Safety and Hygiene at Work
ADR: European agreement concerning the International Carriage of Dangerous Goods by Road
STP: Residual water treatment plant
OECD: Organization for Economic Cooperation and Development
NOAEL: Level of no observable adverse effect
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

Bibliographic references

This safety data sheet has been prepared in accordance with:

- - ANNEX II: Guide for the preparation of Safety Data Sheets of Regulation (EC) No. 1907/2006 (Regulation (EU) 2020/878 based on the data included in the chemical safety report of the registered substances.
- - Guidance available on the European Chemicals Agency (ECHA) website (<http://echa.europa.eu>)
- - Guide for the compilation of safety data sheets for fertilizer materials (www.fertilizerseurope.com)

Methods used for classification of the mixture (article 9 of the Regulation (EC) No. 1272/2008):

Classification and Labeling in accordance with the extrapolation principle of Regulation No. 1272/2008 (CLP)

Recommendations regarding training suitable for workers to ensure the protection of human health and the environment:

Minimum training in occupational risk prevention is recommended for personnel who will handle this product, to facilitate the understanding and interpretation of this safety data sheet, as well as the product label/label.

