

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifiers**Commercial Product Name: **PIAMON[®] 33-S****1.2 Use of the Substance/Mixture**

Fertiliser.

1.3 Details of the supplier of the safety data sheetSKW Stickstoffwerke Piesteritz GmbH
Möllensdorfer Str. 13
06886 Lutherstadt Wittenberg, DeutschlandTelephone: +49 3491 68 0
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Angelika.Muecke@skwp.de**1.4 Emergency telephone number****SKW:** +49 3491 68 2202**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP]:**

Not Rated

Classification according to EU Directives 67/548/EEC or 1999/45/EC:

Not Rated

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:**

Not required.

Labelling (67/548/EEC or 1999/45/EC):

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.3 Other hazards**Adverse human health effects and symptoms:**

None known.

Potential environmental effects:

Slightly water endangering.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixture related information****Components:**

Substance name	
Urea	CAS-No.: 57-13-6 EC-No.: 200-315-5 REACH No.: 01-2119463277-33-XXXX
Ammonium sulphate	CAS-No.: 7783-20-2 EC-No.: 231-984-1 REACH No.: 01-2119455044-46-XXXX

4. FIRST AID MEASURES**4.1 Description of first aid measures****General Information:**

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

Ensure the presence of fresh air.

In case of skin contact:

Wash off with plenty of water.

In case of eye contact:

Immediately flush eye(s) with plenty of water.

If swallowed:

Clean mouth with water and drink afterwards plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO₂). Foam. Dry powder.

Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Ammonia.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

Additional advice:

The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. In case of fire sulphur oxides can be released. Fire may cause evolution of: NH₃.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No special precautions required. Forms slippery surfaces in contact with water.

6.2 Environmental precautions

Do not let enter drains/ surface water/ ground water.

6.3 Methods and materials for containment and cleaning up

Pick up when dry. Put into suitable containers and take for recycling or disposal.

6.4 Reference to other sections

none

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No special precautions required.

Fire prevention measures:

The product is not flammable. No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

Keep in a dry place. Keep in closed storage rooms or in a room protected from atmospheric influences. Resistant and impermeable floor surface.

7.3 Specific end use(s)

none

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limit(s): none
Biological occupational exposure limits: none

8.2 Exposure controls

Personal protective equipment:

Eye/face protection:

Not required.

Hand protection:

not required In case of contact, immediately flush skin with plenty of water.

Skin and body protection:

No special protective equipment required.

Hygiene measures:

Wash hands before breaks and at the end of workday.

General protective measures:

Avoid prolonged and intensive skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	solid	
Colour	tan	
Odour	product specific	
pH (20 °C)	ca. 6	Concentration: 100 g/l Aqueous solution
Melting point/range	> 120 °C	
Boiling point/boiling range		decomposition beginning at melting point
Flash point		Not relevant
Bulk density	ca. 800 kg/m ³	
Water solubility		soluble
Auto-flammability		not auto-flammable

9.2 Other data

none

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2. Chemical stability

No decomposition if used as directed.

10.3 Possibility of hazardous reactions

Violently with nitrites. With strong oxidising agents. Formation of ammonia when exposed to alkali liquors.

10.4. Conditions to avoid

Uncontrolled heating.

10.5. Incompatible materials to avoid

Oxidising substances. Acids. Bases.

10.6 Hazardous decomposition products

Ammonia.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute oral toxicity:	Dose LD50:	14300 mg/kg
	Species: Relating to urea.	rat
	Dose LD50:	3000 mg/kg
	Species: Relative to ammonium sulphate.	rat

Other data: The product has not been tested. The information is based on the characteristics of the individual components. Non-irritant. No evidence suggesting dangerous properties.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish:	Test substance:	Urea
	Dose LC50:	> 6810 mg/l
	Species:	Leuciscus idus (Golden orfe)
	Exposure time:	96 h
	Test substance:	Ammonium sulphate
	Dose EC50:	460 mg/l
	Species:	Leuciscus idus (Golden orfe)
	Exposure time:	96 h
	Test substance:	Urea
	Dose EC50:	> 10000 mg/l
	Species:	Daphnia magna (Water flea)
	Exposure time:	24 h
	Test substance:	Ammonium sulphate
	Dose EC50:	433 mg/l
	Species:	Daphnia magna (Water flea)
	Exposure time:	50 h

12.2 Elimination information (persistence and degradability)

Biological degradability: Biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation: Does not bioaccumulate.

12.4 Mobility in soil

Stability in soil: No data available.

12.5 Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Waste from residues:**

In accordance with the waste recycling/disposal regulations, has to be taken to an approved waste disposal facility. The classification of the waste has to be made according to its source in accordance with the European waste code regulations.

Contaminated packaging:

Disposal according to the regulations, contaminated packaging has to be treated in the same way as the substance itself. Packaging should be completely emptied, and then taken to an approved recycler after appropriate cleaning.

14. TRANSPORT INFORMATION**Additional advice:**

Not dangerous goods

15. REGULATORY INFORMATION

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

European Union:

Regulation:	1907/2006 (EU)
Regulation:	REGULATION (EC) No 1272/2008
Directive:	67/548/EEC
Directive:	1999/45/EC

National legislation (Germany):

Other regulations:

Fertiliser directive and its related regulations

15.2 Chemical Safety Assessment:

For the following substances of this mixture a chemical safety assessment has been carried out.

16. OTHER INFORMATION

Further information:

The data corresponds to our current knowledge and describes our product with regard to safety requirements. Therefore the data is not meant to warranty certain properties of the product. It is the responsibility of the receiver of our product to comply with current legislation and regulations.