

MATERIAL SAFETY DATA SHEET

(Basis: Commission Regulation (EU) No 2015/830 of 28 May 2015, amending the REACH Regulation (EC) No. 1907/2006)

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: PIANOX

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

Relevant identified uses: Skimmer

Uses advised against: not defined

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

Producer: SMP Agro Sp. z o.o.
Postal address: Komorniki 44, 63-004 Tulce

Person responsible
for MSDS: biuro@smp.agro.pl

1.4. Emergency telephone number

International emergency number: 112
Fire department: 998
Emergency service: 999

Section 2. Hazards identification

2.1. Classification of the substance or mixture.

Classification in accordance with the Regulation (EC) No. 1272/2008 [CLP/GHS]:
Not classified as dangerous.

2.2. Label elements

GHS pictograms:
Not relevant

Signal Word:
Not relevant

Hazard Statement:

Not relevant

Precautionary Statement:

Not relevant

EUH210: Safety data sheet available on request.

2.3. Other hazards.

No data available.

Section 3: Composition/information on ingredients.

3.1. Substances

Not relevant.

3.2. Mixtures

Hazardous ingredients

Name of a product/ingredient	Identifiers	Concentration [%]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
Alpha-octadecyl-omega-hydroxy polyglycol ether	CAS: 9005-00-9 EC: - Index No.: - REACH No.: not applicable - in accordance with art. 2, point 9	<2	Acute Tox. 4, H302 Eye Dam. 1; H318
Branched Tradecyl Ethoxylate with 3-5 EO	CAS: 69011-36-5 EC: - Index No.: - REACH No.: not applicable - in accordance with art. 2, point 9	<2	Eye Dam. 1; H318 Aquatic Chronic 3; H412

See Section 16 for the full text of H-phrases

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.

Section 4: First aid measures

4.1. Description of first aid

<u>Eye contact:</u>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Remove contact lenses, if easy to do so. In case of irritation, get medical advice. Continue rinsing for at least 10 minutes.
<u>Inhalation:</u>	Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately. If unconscious, place in recovery position and get medical attention immediately. 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.
<u>Skin contact:</u>	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention immediately.
<u>Ingestion:</u>	Clean mouth with water. Move the exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If symptoms still occur or develop, get medical attention. If unconscious do not give anything by mouth. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
<u>Protection of first aid personnel:</u>	No action shall be taken involving any personal risk or without suitable training. If it is suspected that dust, vapor, mist or gas are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2. Most important symptoms and effects, both acute and delayed:

No data available.

4.3. Indication of any immediate medical attention and special treatment needed:

No further relevant information available.
Treat symptomatically.

Section 5: Firefighting measures

5.1. Extinguishing media.

Suitable extinguishing media: dry powder, carbon dioxide

Unsuitable extinguishing media: do not use water

5.2. Special hazards arising from the substance or mixture

Hazards from the substance or mixture: None

Hazardous thermal decomposition products: No information available

5.3. Special protective actions for fire-fighters

Containers in fire area cooled with water spray, if it is possible to remove the danger zone. In the event of a fire in a confined space should wear protective clothing and breathing apparatus with compressed air. Do not allow fire-fighting water run-off into surface water, groundwater and sewer.

Section 6: Accidental Release Measures.

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Notify the appropriate service. Reduce access to the area of failure until the relevant cleaning operations have been completed.

For emergency responders: Seal damaged packages. Avoid direct contact with the released substance. Use personal protective equipment (see section 8).

6.2. Environmental precautions

Prevent the product from ending up in sewage and ground water. Prevent further leaking and enclose the leaking space and remove into closed containers. Flush the contaminated surface with water.

6.3. Methods and material for containment and cleaning

Prevent leakage. Absorb with inert, absorbent material (such as sand, earth, vermiculite, diatomaceous earth, etc.). The contaminated material is placed in properly labeled containers for disposal in accordance with applicable regulations.

6.4. Reference to other sections

Refer to protective measures listed in section 8.
Refer to disposal considerations listed in section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Protective equipment: Put on appropriate personal protective equipment (see section 8).

Advice on general occupational hygiene:
Do not eat, drink or smoke while using the product. Wash your hands after using the product. Remove contaminated clothing and protective equipment from entering food areas.

7.2. Conditions for safe storage, including any incompatibilities

Store in the original packaging in a dry, cool and well-ventilated place.
Store away from incompatible materials (see section 10).
Avoid direct sunlight. Store locked up.
Store only in properly labeled packages.
Opened containers must be protected against product leakage.
Protect against frost.

7.3. Specific end use(s)

See section 1.2. - no additional recommendations

Section 8. Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values: None

DNEL value: None

PNEC value: None

8.2. Exposure controls

Engineering controls:

Use adequate ventilation. Follow the basic principles of occupational health and safety: wash hands during breaks and after working with the product, immediately take off contaminated clothing and wash it before reuse; do not eat, drink or smoke while handling the product. Provide eyewash stations nearby.

Individual protection measures, such as personal protective equipment:

Eye protection: If there is a risk of eye contact, use safety glasses or a face mask (in accordance with EN166)

Skin protection:

Hands:

Appropriate chemical resistant gloves (EN 374)
Recommended material: nitrile rubber
Thickness: >0,4mm
Time of penetration: >480min.
The selection of suitable gloves does not only depend on the material, but also on the brand and quality resulting from differences in manufacturers. Resistance of the material, the glove can be determined after the tests. The exact time of the destruction of the protective gloves must be determined by the manufacturer.

Other:

Depending on the task being performed, protective clothing appropriate to the potential risk should be used and approved by a competent person before starting work.

Respiratory Protection: Not required

Thermal hazards: Not applicable.

Environmental exposure controls Prevent the spread in the environment and enter drains and watercourses.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance: Liquid

Colour: White

Odour: Weak

Odour threshold: No date available

pH: app. 7

Melting point/
melting range: app. 0°C

Boiling point/
boiling range: 100°C

<u>Flash point:</u>	>95°C
<u>Evaporation rate:</u>	No date available
<u>Flammability:</u>	Not applicable
<u>Lower explosion limits:</u>	No date available
<u>Upper explosion limits:</u>	No date available
<u>Vapour pressure:</u>	23hPa (20°C)
<u>Relative density:</u>	No date available
<u>Density:</u>	app. 1g/cm ³ (20°C)
<u>Subility in solvents:</u>	Freely soluble in cold water.
<u>N-octanol/water partition coefficient:</u>	No date available
<u>Auto-ignition temperature:</u>	No date available
<u>Decomposition temperature:</u>	No date available
<u>Viscosity:</u>	app. 50mPa.s (25°C)
<u>Explosive properties</u>	No date available
<u>Oxidising properties</u>	No date available
9.2. Other information	None

Section 10: Stability and reactivity

10.1. Reactivity

No date available.

10.2. Chemical stability

Product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reations will not occur.

10.4. Conditions to avoid

No date available.

10.5. Incompatible materials

No date available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.
For silicon content of the substance: measurements proved that the small amount of formaldehyde is released during oxidative decomposition at approx. 150°C.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

Based on the available data, the classification criteria are not met

Skin corrosion/irritation:

Based on the available data, the classification criteria are not met

<u>Serious eye damage/irritation:</u>	Based on the available data, the classification criteria are not met
<u>Respiratory or skin sensitization:</u>	Based on the available data, the classification criteria are not met
<u>Germ cell mutagenicity:</u>	Based on the available data, the classification criteria are not met
<u>Carcinogenicity:</u>	Based on the available data, the classification criteria are not met
<u>Reproductive toxicity:</u>	Based on the available data, the classification criteria are not met
<u>STOT-single exposure:</u>	Based on the available data, the classification criteria are not met
<u>STOT-repeated exposure:</u>	Based on the available data, the classification criteria are not met
<u>Aspiration hazard:</u>	Based on the available data, the classification criteria are not met

Information on possible exposure routes:

<u>Eye contact:</u>	Not known undesirable effects or critical hazards
<u>Inhalation:</u>	Not known undesirable effects or critical hazards
<u>Skin contact:</u>	Not known undesirable effects or critical hazards
<u>Ingestion:</u>	Not known undesirable effects or critical hazards

Symptoms related to the physical, chemical and toxicological characteristics

<u>Eye contact:</u>	No data available
<u>Inhalation:</u>	No data available
<u>Skin contact:</u>	No data available
<u>Ingestion:</u>	No data available

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Short-term exposure:

<u>Potential immediate effects:</u>	Not known
<u>Potential delayed effects:</u>	Not known

Long-term exposure:

<u>Potential immediate effects:</u>	Not known
<u>Potential delayed effects:</u>	Not known

Section 12: Ecological information

12.1. Toxicity

Mixture not classified as dangerous for the environment.

12.2. Persistence and degradability

For mixture: no information available

12.3. Bioaccumulative potential.

For mixture: no information available

12.4. Mobility in soil

Soil/water coefficient (K _{oc}):	No information available
Mobility:	No information available

12.5. Results of PBT and vPvB assessment

PBT: No substance

vPvB: No substance

12.6. Other adverse effects

Not known undesirable effects or critical hazards

Section 13: Disposal Considerations

13.1. Waste treatment methods

Product:

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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.

Container:

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Empty container should be recycled. Incineration and landfilling should be considered only if there are no possibilities for recycling.

Special precautions: This material and its container must be disposed of in a safe way. Be careful in handling empty containers that were not cleansed or rinsed. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives

Section 14. Transport information.

ADR/RID/IMDG/IATA:

14.1. UN number

Not regulated

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

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

Not applicable

Section 15: Regulatory information

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

EU REGULATIONS:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).
Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives

15.2. Chemical safety assessment

No chemical safety assessments.

- | | |
|---|----------------|
| - <u>List of substances subject to authorization (REACH; Annex XIV):</u> | Not applicable |
| - <u>Candidate list of SVHCs:</u> | Not applicable |
| - <u>Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (REACH; Annex XVII):</u> | Not applicable |

Section 16: Other Information

Abbreviations and acronyms, list of relevant hazard statements used in the safety data sheet:

Acute Tox. 4 – Acute toxicity, Category 4

Eye Dam. 1 – Serious eyes damage. Category 1

Aquatic Chronic 3 – Hazardous to the aquatic environment, Category 3

DNEL – derived no-effect level

PNEC – predicted no effect concentration

PBT – Persistent, Bioaccumulative and Toxic

vPvB – very Persistent and very Bioaccumulative

ADR – International Carriage of Dangerous Goods by Road

RID – International Carriage of Dangerous Goods by Rail

IMDG – International Maritime Dangerous Goods

IATA – Safe Transport of Dangerous Goods by Air

Hazard Statements:

- | | | |
|------|---|---|
| H302 | : | Harmful if swallowed |
| H318 | : | Causes serious eyes damage |
| H412 | : | Harmful to aquatic life with long lasting effects |

Classification procedure:

Not classified

Training:

Not required.

Notice to Reader

The information above has been drawn up based on the current state of knowledge and present EU and national laws. This product cannot be used for other purposes than those enumerated in Section 1 without prior written permission. In all cases, the user is obliged to follow all rules and regulations. The aim of the Material Safety Data Sheet is to describe all safety and warning requirements for our product. It is not to be considered a guarantee of the product's properties.