SAFETY DATA SHEET
PENESSELIPESU

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

1.1 Product identifier
Product name : PENESSELIPESU
Product code : 0016607
Product description : Detergent.

1.2 Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Cleaning

1.3 Details of the supplier of the safety data sheet
Manufacturer or Distributor
Tikkurila Oyj
P.O. Box 53
FI-01301 VANTAA
FINLAND
Telephone +358 20 191 2000

1.4 Emergency telephone number
Telephone number : 112
(24h)
Supplier or Manufacturer
Tikkurila Oyj
Telephone number : +358 20 191 2000 (GMT +2) Mon-Fri 8-16

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Product definition : Mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Eye Dam. 1, H318
The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

2.2 Label elements
Hazard pictograms :

Signal word : Danger
Hazard statements : H318 - Causes serious eye damage.
Precautionary statements
General : P102 - Keep out of reach of children.
P101 - If medical advice is needed, have product container or label at hand.
Prevention : P280 - Wear protective gloves and eye or face protection.
2.3 Other hazards

Other hazards which do not result in classification: None known.

SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Identifiers</th>
<th>%</th>
<th>Classification</th>
<th>Notes</th>
</tr>
</thead>
</table>
| Alcohols, C9-11, ethoxylated | CAS: 68439-46-3 | ≥10 - ≤25 | Acute Tox. 4, H302
Eye Dam. 1, H318 | - |
| Poly(oxy-1,2-ethanediyl), α-undecyl-ω-hydroxy-, branched and linear | CAS: 127036-24-2 | ≤5 | Eye Dam. 1, H318 | - |
| 2-phenoxyethanol | REACH #: 01-2119488943-21
EC: 204-589-7
CAS: 122-99-6
Index: 603-098-00-9 | ≤3 | Acute Tox. 4, H302
Eye Irrit. 2, H319 | - |
| tetrapotassium pyrophosphate | REACH #: 01-2119489369-18
EC: 230-785-7
CAS: 7320-34-5 | ≤3 | Eye Irrit. 2, H319 | - |

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.

Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.
SECTION 4: First aid measures

4.1 Description of first aid measures
General: In all cases of doubt, or when symptoms persist, seek medical attention. Show this safety data sheet or label to the doctor if possible.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of lukewarm water, keeping eyelids open. Continue to rinse for at least 20 minutes. Get medical attention immediately.

Inhalation: Remove to fresh air.

Skin contact: Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion: Accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious). If significant amounts have been swallowed or if symptoms persist, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed
Causes serious eye damage.
See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed
None.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire. Recommended: Alcohol resistant foam, CO₂, powders or water spray/mist.

Unsuitable extinguishing media: Do not use a direct water jet that could spread the fire.

5.2 Special hazards arising from the substance or mixture
Hazards from the substance or mixture: This product is not classified as flammable. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Hazardous combustion products: When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

5.3 Advice for firefighters
Special protective actions for fire-fighters: Use water spray to keep fire-exposed containers cool. Do not release runoff from fire to drains or watercourses.

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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Provide adequate ventilation. Avoid breathing vapor or mist. Avoid direct skin contact with product. See Section 8 for information on appropriate personal protective equipment.

6.2 Environmental precautions
Undiluted product is not allowed to enter drains or watercourses.

6.3 Methods and materials for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with water or detergent. Avoid using solvents.
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid breathing vapor. Avoid inhalation of dust from sanding. See Section 8 for information on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature is +5°C to +25°C. Do not allow to freeze. Store in accordance with local regulations.

7.3 Specific end use(s)
None.

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.

DNELs/DMELs
No DNELs/DMELs available.

PNECs
No PNECs available.

8.2 Exposure controls
Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn (see Personal protection). Provide a readily-accessible eyewash facility. Comply with the health and safety at work laws.

Individual protection measures

Eye/face protection
Wear eye/face protection (EN166).

Hand protection
Wear protective gloves. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.
Recommended glove material (EN374):
> 8 hours (breakthrough time): nitrile rubber
Not recommended: PVA gloves

Skin protection
Wear appropriate personal protective clothing to prevent skin contact.

Respiratory protection
A respirator is not needed under normal and intended conditions of product use. Wear a respirator with type P2 filter during sanding (EN149:2001). Be sure to use an approved/certified respirator or equivalent. Check that mask fits tightly and change filter regularly.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
- Physical state: Liquid.
- Color: Clear.
- Odor: Mild.
- Odor threshold: Not relevant for the hazard assessment of the product.

pH: 10

Melting point/freezing point: 0°C (water)
Initial boiling point and boiling range: 100°C (water)

Flash point: > 100 °C

Evaporation rate: Not relevant due the nature of the product.
Flammability (solid, gas): Not applicable. Product is a liquid.
Upper/lower flammability or explosive limits: No flammable ingredients present.

Vapor pressure: 3.2 kPa [room temperature] (water)
Vapor density: Not relevant for the hazard assessment of the product.
Density: 1 g/cm³

Solubility(ies): Miscible in water.
Partition coefficient: n-octanol/water: Not available.

Auto-ignition temperature: Not relevant due the nature of the product.
Decomposition temperature: Not relevant for the hazard assessment of the product.
Viscosity: Not relevant due the nature of the product.
Explosive properties: No explosive ingredients present.
Oxidizing properties: No oxidizing ingredients present.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

See Section 10.5.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

Avoid extreme heat and freezing.

10.5 Incompatible materials

Keep away from the following materials to prevent strong exothermic reactions:
- oxidizing agents
- strong acids
- strong alcalis

10.6 Hazardous decomposition products

When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.
SECTION 11: Toxicological information

11.1 Information on toxicological effects

There is no testdata available on the product itself. The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Long term exposure by inhalation may cause respiratory tract irritation. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C9-11, ethoxylated</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1378 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>2-phenoxyethanol</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1260 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Not classified.

Irritation/Corrosion

Causes serious eye damage.

Sensitization

Not classified.

Mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.

Teratogenicity

Not classified.

Specific target organ toxicity (single exposure)

Not classified.

Specific target organ toxicity (repeated exposure)

Not classified.

Aspiration hazard

Not classified.

SECTION 12: Ecological information

Ecological testing has not been conducted on this product. Do not allow to enter drains, water courses or soil.

The product is not classified as environmentally hazardous according to Regulation (EC) 1272/2008.

12.1 Toxicity

No specific data.

Not available.

12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), α-undecyl-ω-hydroxy-, branched and linear</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
<tr>
<td>2-phenoxyethanol</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
</tbody>
</table>

Biodegradability report: Not available.

12.3 Bioaccumulative potential
### 12.4 Mobility in soil

| Soil/water partition coefficient (K<sub>oc</sub>) | Not available. |
| Mobility | Not available. |

### 12.5 Results of PBT and vPvB assessment

- **PBT**: Not applicable.
- **vPvB**: Not applicable.

### 12.6 Other adverse effects

: Not available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**Product**

- **Methods of disposal**: Remove as much product as possible from the tools before cleaning. Liquid residue and cleaning liquids are hazardous waste and must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be left at special companies which have permission for gathering this kind of wastes.

- **European waste catalogue (EWC)**

<table>
<thead>
<tr>
<th>Waste code</th>
<th>Waste designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 01 29*</td>
<td>detergents containing hazardous substances</td>
</tr>
</tbody>
</table>

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

**Packaging**

- **Methods of disposal**: Empty packaging should be recycled or disposed of in accordance with national regulations.

- **Special precautions**: No additional information.

### SECTION 14: Transport information

This product is not regulated for carriage according to ADR/RID, IMDG, IATA.

<table>
<thead>
<tr>
<th>14.1 UN number</th>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
</table>

| 14.2 UN proper shipping name | - | - | - |
| 14.3 Transport hazard class(es) | - | - | - |
| 14.4 Packing group | - | - | - |
| 14.5 Environmental hazards | No. | No. | No. |
| Additional information | - | - | - |
14.6 Special precautions for use:
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:
Not available.

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)

Other EU regulations:
- Europe inventory: Not determined.

15.2 Chemical Safety Assessment:
This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

- 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. 1272/2008]
  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

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

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Dam. 1, H318</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

- Full text of abbreviated H statements:
  - H302 Harmful if swallowed.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.

- Full text of classifications [CLP/GHS]:
  - Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4
  - Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
  - Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

- Date of issue/ Date of revision: 12-12-2016
- Date of previous issue: 15-05-2015
- Version: 2

Notice to reader:
This Safety Data Sheet is prepared in accordance with Annex II to Regulation (EC) No 1907/2006 (REACH). The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.