OVEN DEGREASER

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY /UNDERTAKING*

1.1. Identification of the substance

Code:  [ODS401] 484000000700 - [ODS402] 484000000765
[ODS403] 484000000764 - [ODS401PH] 484000000948

Denomination

OVEN DEGREASER

Chemical name and synonyms

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

Use of the substance/preparation: oven detergent.

Registration number: N.A. as mixture.

1.3. Information about manufacturer of Safety data sheet

Company name

Synt Chemical S.r.l.

Address

Via Armando Gagliani, 5

City and Country

40069 Zola Predosa (BO) - ITALIA

Telephone

Tel. 051 752332 - Fax 051 754945

e-mail of the safety responsible person

laboratorio@syntchemical.it

responsible of material data sheet

Dr. Silvano Invernizzi

1.4. Emergency telephone number

For urgent safety information call the Anti-Poison Center of your country. Check the emergency list on page 12.

2. HAZARD IDENTIFICATION.*

2.1. Classification of the preparation or mixture.

The mixture is classified as dangerous according to Directive 67/548/EEC and Regulation 1999/45/EC and/or Regulation 1272/2008 (CLP) (and following amendments or revision).

For this reason the products requires a safety data sheet conform to directive of regulations (CE) 1907/2006 and modifications.

Further information on human health and/or environmental risk is detailed in section 11 and 12 of this document.

Classification and symbol:

Danger Symbol: Xi
R-phrase: R36/37/38

Full test of R-phrase and Hazard is detailed in section 16 of this document.
2.2. Data on Label.
Danger labeling according to Directive 67/548/EEC and Directive 1999/45/EC (and following revision and amendments)

Symbol:

![Xi](image)

**IRRITANT**

Danger:

**R36/37/38** Irritating to eyes, respiratory system and skin.

**S phrase:**

- **S2** Keep out of the reach of children
- **S24/25** Avoid contact with eyes and skin.
- **S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **S28** After contact with skin, wash immediately with plenty of water and soap and seek medical advice

2.3. Other hazards.
None

3. COMPOSITION/INFORMATION ON INGREDIENTS.*

3.1. Substances
Not applicable.

3.2. Mixture.
Contains

<table>
<thead>
<tr>
<th>Identification</th>
<th>Conc. %</th>
<th>Classification according to 67/548/CEE.</th>
<th>Classification according to 1272/2008 (CLP).</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-BUTOXYPROAN-2-OL</td>
<td>3.5 – 4.5 %</td>
<td>Xi R36/38</td>
<td>Flam. Liquid 3 H226, Eye Irrit. 2 H319, Skin Irrit. 2 H315</td>
</tr>
<tr>
<td>CAS. 5131-66-8</td>
<td>CE. 225-678-4</td>
<td>INDEX. 603-052-00-8</td>
<td>N° REGISTR. 01-2119475527-28-0001</td>
</tr>
<tr>
<td>2 – AMINOETHANOL</td>
<td>3 – 3.9 %</td>
<td>C R34, Xn R20/21/22</td>
<td>Skin Corr. 1B H314, Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332</td>
</tr>
<tr>
<td>CAS. 141-43-5</td>
<td>CE. 205-483-3</td>
<td>INDEX. 603-030-00-8</td>
<td>N° REGISTR. 01-2119486455-28</td>
</tr>
<tr>
<td>3 – SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS</td>
<td>2,0 -3,0%</td>
<td>Xi R38, R41</td>
<td>Eye Dam. 1 H318, Skin Irrit. 2 H315</td>
</tr>
<tr>
<td>CAS. 68439-57-6</td>
<td>CE. 270-407-8</td>
<td>INDEX. –</td>
<td>N° REGISTR. 01-2119513401-57</td>
</tr>
<tr>
<td>2 – PROPYLEPTANOL ETHOXYLATED POLYMER</td>
<td>1 – 1.5 %</td>
<td>Xn R22, Xi R41</td>
<td>Acute Tox. 4 H302, Eye Dam. 1 H318</td>
</tr>
<tr>
<td>CAS. - 166736-08-9</td>
<td>CE. -</td>
<td>INDEX. -</td>
<td></td>
</tr>
</tbody>
</table>

* T+ = Very toxic(T+), T = Toxic (T), Xn = Harmful(Xn), C = Corrosive (C), Xi = Irritant(Xi), O = Oxidising (o), E = Explosive(E), F+ = Extremely Flammable (F+), F = Easily Flammable (F)

Full test of R-phrase and H phrase is detailed in section 16 of this document
COMPONENTS CONFORM TO REGULATION CE N.648/2004
CONTAINS: anionic surfactants, non-ionic surfactants < 5%
OTHER COMPONENTS: perfume.

4. FIRST AID MEASURES.*
Take off immediately all contaminated clothing. If unconsciousness may be possible move away to fresh air, artificial respiration if needed. Personal protective equipment for first aid responders is recommended.

4.1. First aid instructions.
EYES: Wash immediately, thoroughly with plenty of water for at least 15 minutes while keeping eye widely open. If necessary, consult an ophthalmologist.
SKIN: Wash off immediately with plenty of water and neutral soap. In case of irritation persisting, seek medical advice.
INHALATION: Move to fresh air and keep warm and rest. In case of respiration difficulty, seek immediately medical advice.
INGESTION: rinse immediately the mouth. Seek immediately medical advice. Do not induce vomiting. Do not give anything to the person if unconscious and without medical authorization

4.2. Most important symptoms and effects, both acute and delayed
For symptoms and effects due to contained substances refer to section 11.
SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS: may cause irritation to skin, mouth and stomach, reddening.

4.3. Indication of any immediate medical attention and special treatment needed
If incident occur, seek medical advice immediately and following instructions. If possible show Safety information.
SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS: in case of high expositions, keep victim under medical control at least for 48 hours.

5. FIREFIGHTING MEASURES.*

5.1. Extinguishing media
SUITABLE EXTINGUISHING MEDIA:
Are the traditional ones: CO2, alcohol resistant foam, powder and water sprayed.
UNSUITABLE EXTINGUISHING MEDIA:
None particular.

5.2. Special hazards arising from the substance or mixture
DANGERS DUE TO EXPOSURE IN CASE OF FIRE.
Avoid inhalation of gas spread from explosion or fires. They can contain CO2, carbon monoxide, sulphur oxides, metal oxides and other toxic products. Refer to section 10.

5.3. Advice for fire-fighter.
GENERAL INFORMATION
Delimit area and flush water from protected site. Cool other container, or product from a well-protected position to avoid heating and overheating. Act in security. Wear always the complete protective fire-fighting equipment. Dispose the contaminated water in accordance with local and national regulations.
PROTECTIVE EQUIPMENT
Helmet with visor, fireproof clothing (jacket and trousers with straps around the arms, legs and waist), intervention gloves (fire fighting, cut-proof and dielectric), and overpressure mask with a face shield covering the entire face of the operator or use the self-respirator (self-protector) in the case of large amounts of smoke.

6. ACCIDENTAL RELEASE MEASURES.*

6.1. Personal precautions, protective equipment and emergency procedures
Stop the spilling in case of no danger. Do not handle damaged containers or spilled product without adequate protective equipment. Individuals without appropriate protective equipment should be excluded from area of spill until clean-up has been completed. For further information about risk on human health, environment and protective equipment, refer to other section of this document.
6.2. Environmental precautions.
Avoid release into sewerage, surface water and groundwater. Advise immediately authorities in case of lost or spilling.

6.3. Methods and material for containment and cleaning up.
Move in open air the containers if leaking can may be removed and spilling cannot be stopped, Contain and collect liquid with an inert absorbent (sand, earth, Kieselguhr, etc.) and place in a container for disposal. Clean spill area thoroughly by proper equipment. Well ventilated the area. Disposal of contaminated materials according to section 13.

6.4. Reference to other sections.
Information regarding personal protective equipment and its disposal (if needed) is given in sections 8 and 13.

7. HANDLING AND STORAGE.*

7.1. Precautions for safe handling.
Keep away from food and drinks. Do not swallow the product. Use appropriate grounding and bonding practices. Operate in well-ventilated area. Handle with care. Avoid contact with skin, eyes and do not inhale vapors and fumes. Wear adequate individual protective apparatus (consult section 8)

7.2. Conditions for safe storage, including any incompatibilities.
Store in a cool, well-ventilated area and away from direct sunlight. Keep containers well closed and labelled. Store away from incompatible materials like acids and strong oxidizing agents. Do not store the container above 40 °C. If needed consult section 10.

7.3. Specific end use.
Oven detergent

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.*

8.1. Control parameters.

<table>
<thead>
<tr>
<th>Identification</th>
<th>Parameters</th>
<th>Country</th>
<th>TWA/8h mg/m³</th>
<th>ppm</th>
<th>STEL/15min mg/m³</th>
<th>ppm</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-AMINOETHANOL</td>
<td>OEL</td>
<td>EU</td>
<td>2,5</td>
<td>1</td>
<td>7,6</td>
<td>3</td>
<td>Skin</td>
</tr>
</tbody>
</table>

2-AMINOETHANOL
Specific: TRGS 900 – Limit value in air in working place (D)
Value: 2 ppm / 5,1 mg/m3
Category: 2(I)
Notes: H, Y
Version date: 02/07/2009

1-BUTOXYPROPAN-2-OL – DNEL VALUE
DNEL (Skin)= 50% in mixture , local effects, long term exposure (workers)
DNEL (Skin)= 44 mg/kg bw/day, systemic effects, long term exposure (workers)
DNEL (Inhalation)= 270,5 mg/m³, systemic effects, long term exposure (workers)
DNEL (Skin)= 50% in mixture , local effects, long term exposure (population general)
DNEL (Skin)= 50% in mixture , local effects, short term exposure ((population general)
DNEL (Skin)= 16 mg/kg bw/day, systemic effects, long term exposure (population general)
DNEL (Inhalation)= 33,8 mg/m³, systemic effects, long term exposure (population general)
DNEL (Oral)= 8,75 mg/kg bw/day, systemic effects, long term exposure (population general)
DNEL (Skin)= 50% in mixture , local effects, long term exposure ((population general)
8.2. Exposure controls
As the use of appropriate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust ventilation or by removing stable air. If you exceed the threshold value or one or more of the substances in the preparation due to daily exposure in the work environment or a fraction determined by the corporate prevention and security service, wear an appropriate breathing mask. Refer to the product label for further details. Request further information to chemicals supplier about proper protective equipment. Protective equipment must fulfill Legislation requirement. It is recommended an emergency eyes washing system and an emergency shower.

HANDS PROTECTION
Protect your hands with work gloves, category II (Directive 89/686/EEC and EN 374) such as PVC, PVA, neoprene, nitrile, PTFE Viton latex, or equivalent. For the definitive selection of the material used for the work gloves, the following factors should be considered: degradation, breakage time and permeation. In the case of preparations, glove resistance should be tested before use because it is not foreseeable. The gloves have a durability that depends on the duration of exposure.

EYES PROTECTION
Wear goggles that adhere to the skin (see standard EN 166) or full mask EN 402.

SKIN PROTECTION
Wear work clothes with long sleeves and safety footwear for professional use in category II (refer to Directive 89/686/EEC and standard EN 344). After removing protective clothing, wash affected skin with soap and water.

RESPIRATORY PROTECTION
If you exceed the threshold value of one or more of the substances in the preparation due to daily exposure in the work environment or a fraction determined by the corporate prevention and security service, wear a mask half face type A-P2 or ABEK-P2 (refer to Standard EN 141). The use of respiratory protective equipment such as masks fitted with an organic vapours filter and dust/mist, is necessary in the absence of technical measures to limit worker exposure. Nonetheless, the masks provide limited protection.
In the case where the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in case of emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% in volume, where an open circuit compressed-air self-respirator (Standard EN 137) or an external air-uptake respirator to be used with full face mask, half face mask or mouthpiece (ref. Standard EN 138).

9. PHYSICAL AND CHEMICAL PROPERTIES.*

9.1. Information on basic physical and chemical properties.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apperance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Perfumed</td>
</tr>
<tr>
<td>pH as it is</td>
<td>11.4</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>ND (not available)</td>
</tr>
<tr>
<td>Flash point</td>
<td>ND (not available)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>ND (not available)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>ND (not available)</td>
</tr>
<tr>
<td>Self flammability</td>
<td>ND (not available)</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>ND (not available)</td>
</tr>
<tr>
<td>Relative density at 20°C</td>
<td>1.05 g/mL</td>
</tr>
</tbody>
</table>
Solubility in water: Soluble
Liposolubility: ND (not available)
Partition coefficient: n-octanol/water: ND (not available)
Vapour pressure: ND (not available)
Vapours density: ND (not available)
Oxidizing property: ND (not available)

ND (not available) = not determined on mixture

9.2. Others information.
None

10. STABILITY AND REACTIVITY.*

10.1. Reactivity.
No particular danger reactions with other substances in normal condition of use.

10.2. Chemical stability
Product is stable in normal condition and storage.

10.3. Possibility of hazardous reactions.
No hazardous reactions for normal storage and use.

10.4. Conditions to avoid.
Use normal actions for chemical products. Avoid exposure to heat, electric discharges, naked flames, heat sources.

10.5. Incompatible materials.
Strong oxidizer agents and strong acids.

10.6. Hazardous decomposition products.
In case of fire or decomposition may spread gas and vapors potentially harmful for health as CO2, carbon monoxide, sulphur oxides, metal oxides and other irritating fumes.

11. TOXICOLOGICAL INFORMATION.*

11.1. Information on toxicological effects.
Acute affects: contact with eyes causes irritation; symptoms may include: reddening, edema, pain and lacrimation.
Inhalation of vapors may cause light irritation of the upper part of respiratory tract; contact with skin may cause light irritation.
Swallowing may cause damage to health, included abdominals with burn, nausea and vomit.

1-BUTOXYPROPAN-2-OL
Acute toxicity: feeble toxic after one single ingestion. Practically not toxic for one single contact with skin.
LD50 (Oral): > 2000 mg/kg, rat (OECD – guideline 423)
LD50 (Skin): > 2000 mg/kg, rat (OECD – guideline 402)
Literature data

Irritation – irritating for contact to eyes. Irritating for contact with skin.
Experimental data/calculated:
- Corrosion/irritation rabbit skin: irritating (OECD guideline 404). ECC classified the substance as “Irritating to skin” (R38).
- Severe damage to eyes/irritation eyes rabbit: irritating (OECD guideline 405)
Sensitization of respiratory tract/of skin – Test on animals do not show a sensitization action. Buehler Test on Guinea Pig: not sensitization (OECD - guideline 406).

Mutagenicity on germinal cells – Evaluation of mutagenicity (solid product): on the most part of the test (bacterium/micro-organism/cells culture) no mutagenicity effect appeared bacteria. Neither on culture of mammal cells.

**SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS**

LD50 (Oral): 2079 mg/kg (rat)
LC50 (Inhalation): > 52 mg/L/4h (rat)
LD50 (skin): 6300 – 13500 mg/kg (rabbit)

Skin Sensibilisation (Guinea Pig test OECD 406 guideline): The product does not cause sensibilisation. Also the tests on human being show that the product does not cause sensibilisation.


Cancerogenecity: tests effected with unofficial protocols; the results are listed as follows:

- Exposure: oral, rat, exposure time 2 year: negative
- Exposure: skin, rat, exposure time 2 year (for 2 days per week): negative

**Teratogenicity**: OECD 414 Prenatal Developmental Toxicity Study: NOAEL= 2 mg/kg (rabbit)

Potential acute effects on health:
- Inhalation: no effects or critic dangers are known.
- Ingestion: irritant to mouth, gorge and stomach.
- Contact with skin: irritating to skin.
- Contact with eyes: no effects or critic dangers are known.
- General: no effects or critic dangers are known.

NOAEL (Oral chronic): 227 mg/kg

Symptoms linked to physical, chemical and toxicological properties:
- Contact with skin: the negative symptoms may include irritation and reddening.
- Ingestion: no specific data.
- Inhalation: no specific data.
- Contact with eyes: no specific data.

**2-PROPYLHEPTANOL ETHOXylATED POLyMER**

Acute toxicity oral: LD50: 500 – 2.000 mg/kg (rat)
Irritation: corrosion/irritation to skin rabbit: lightly irritant (guideline OECD 404). Severe damage to eyes/irritation rabbit eyes: irreversible damages ((guideline OECD 405).
Sensibilisation (Guinea Pig test OECD 406 guideline): The product does not cause sensibilisation.

**2-AMINOETHANOL**

LD50 oral: 2.100 mg/kg (rat)
LD50 (skin): 1.000 mg/kg (rabbit)

12. **ECOLOGICAL INFORMATION.**

Use according good working practice; avoid spreading the product into environment
Advise immediately authorities in case of lose or spilling.
12.1. Toxicity.

1-BUTOXYPROPAN-2-OL
LC50 (96 h): > 100 mg/L (*Pimephales promelas*)
EC50 (96 h): > 1000 mg/L (*Pseudokirchneriella subcapitata*) – Algal growth inhibition test, static. Nominal concentration.
EC50 (180 min): > 1000 mg/L – OECD – guideline 209, aquatic. Nominal concentration.

SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS
LC50 (96 h): 4,2 mg/L (*Brachydanio rerio*), OECD 203
EC50 (48 h): 4,53 mg/L (*Daphnia magna*), OECD 202
EC50 (72 h): 5,2 mg/L (*Skeletonema costatum, Phaeodactylum tricornutum*)
IC50 (3 h): 230 mg/L (*bacteria*), OECD 209

2-PROPYLHEPTANOL ETHOXYLATED POLYMER
EC50 (48 h): 1-10 mg/L (*Daphnia magna*)
EC50 (72 h): 1-10 mg/L (*Scenedesmus subspicatus*)
EC20 (30 minutes) about > 100 mg/L, active mud, domestic (OECD - guideline 209, aquatic). Nominal concentration. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

2-AMINOETHANOL
EC50 (48 h): 65 mg/L (*Daphnia magna*)
EC50 (72 h): 2,5 mg/L (*Algae*)
EC50 (72 h): 22 mg/L (*Scenedesmus subspicatus*)
LC50 (96 h): 349 mg/L (*Fish*)

PNEC fresh water: 0.085 mg/L
PNEC salt water: 0.0085 mg/L
PNEC water (intermittent releases): 0.025 mg/L
PNEC STP: 100 mg/L
PNEC sediment (fresh water): 0.425 mg/kg sediment dw
PNEC sediment (salt water): 0.0425 mg/kg sediment dw
PNEC soil: 0.035 mg/kg soil dw
(Source: database ECHA – European Chemicals Agency)

12.2 Persistence and degradability
No data available for mixture.
1-BUTOXYPROPAN-2-OL: Easily biodegradable (OECD criteria). Disposal considerations: 90% reduction of DOC (28 days) (OECD 301E/92/69/ECC), aerobic, domestic active mud.
SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS: easily biodegradable (evaluation from similar product).
2-PROPYLHEPTANOL ETHOXYLATED POLYMER: Easily biodegradable >60% (28 days)
Formation of CO2 of theoretic value (OECD 301B; ISO 9439; 92/69/ECC, C.4-C).
Disposal considerations: >=90% active substance to bismuth (OECD 303 A Guideline). The statement has been derived from products of a similar structure or composition.
2-AMINOETHANOL: Easily biodegradable

No data available for mixture.
1-BUTOXYPROPAN-2-OL: Easily biodegradable (OECD criteria). Disposal considerations: 90% reduction of DOC (28 days) (OECD 301E/92/69/ECC), aerobic, domestic active mud.
SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS: the value of \( \log P_{ow} \) is -1,3 and BCF is= 70,8.
2-AMINOETHANOL: The product has low potential for bioaccumulation.

12.4. Mobility in soil.
No data available for mixture.
2-AMINOETHANOL: the product has a high mobility.
12.5. Results of PBT and vPvB assessment.
No data available for mixture.

1-BUTOXYPROPAH-2-OL:
According to Annex XIII Regulation EC n° 1907/2006 about registration, evaluation, authorization and restriction of chemicals (REACH), it is not classified as substance PBT (persistence/bioaccumulable/toxic) and vPvB (very persistent/very bioaccumulable)

2-PROPYLHEPTANOL ETHOXYLATED POLYMER:
According to Annex XIV Regulation EC n° 1907/2006 about registration, evaluation, authorization and restriction of chemicals (REACH), it does not contains substances that satisfy the criteria PBT (persistence/bioaccumulable/toxic) or the criteria vPvB (very persistent/very bioaccumulable). Auto classification.

2-AMINOETHANOL: this product is not, and does not contain, substance classified PBT or vPvB.

12.6. Other adverse effects.
Mixture: information not determined.
2-PROPYLHEPTANOL ETHOXYLATED POLYMER
A correct emission of small concentrations in adapted biologic depuration plants should not cause inconvenient to degradation for active muds. Do not enter the products into waters without preventive treatment.

13. DISPOSAL CONSIDERATIONS.*

13.1. Waste treatment method
Recycle, if possible. Act in accordance with local and national regulations. Refer to current national legislation. Do not release into sewerage. Do not pollute watercourses. Residues have to be considered as dangerous waste.

CONTAMINATED PACKAGING
Indications: empty containers shall not be released to the environment.
Remarks: user has to ensure that no other regional or national rules are in force

14. TRANSPORT INFORMATION

Product not classified dangerous for transport

Road and Railway Transport:
Shipping transport:
Air transport:

15. REGULATORY INFORMATION.*

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.
This document has been written following scheme and rules of below Directive and Regulation

It is underlined that this mixture is for food application, hence it is out of the scope of the below Legislation.

1. Directive1999/45/EC and following amendments;
2. Directive 67/548/EEC e and following amendments;

When applicable, refer to following directive: D.Lgs. 21 September 2005 n. 238 (Directive Seveso Ter)

Seveso class. None

Restriction related to the mixture or contained substance, according to Annex XVII, Regulation EC 1907/2006. Point 3
 Substance in Candidate List (Art. 59 REACh). None

 Substance edified for Authorization (Annex XIV REACh) None

 Sanitary controls.
 Workers exposed to this chemical agent must be monitored far health issues according to Legislation.

 15.2. Chemical safety assessment.

 Not available

 16. OTHER INFORMATION.*

 Full Danger and H-phrase indicated in section 2-3 of this document

 Eye Dam. 1 severe damage to eyes, category 1
 Skin Corr. 2 Skin irritation, category 2
 Eye Irrit. 2 Eye irritation, category 2
 Acute Tox. 4 Acute toxicity, category 4
 Flamm. Liquid 3 Flammable liquid, category 3
 Skin corr. 1B Skin corrosion, category 1B
 H226 Flammable liquid and vapour
 H302 Harmful if swallowed.
 H312 Harmful in contact with skin
 H314 Causes severe skin burns and eye damage
 H315 Causes skin irritation.
 H318 Causes severe damage to eyes.
 H319 Causes serious eye irritation
 H332 Harmful if inhaled

 Full Danger and R-phrase indicated in section 2-3 of this document

 R20/21/22: HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED
 R22: HARMFUL IF SWALLOWED
 R34: CAUSES BURNS
 R36/38: IRRITATING TO EYES AND SKIN
 R38: IRRITATING TO SKIN
 R41: RISK OF SERIOUS DAMAGE TO EYES

 LITERATURE:
 1. The Merck Index. Ed. 10
 2. Handling Chemical Safety
 3. Niosh - Registry of Toxic Effects of Chemical Substances
 4. INRS - Fiche Toxicologique
 5. Patty - Industrial Hygiene and Toxicology

 Note for the user:
The information on this sheet is based on information that was available at our premises as of the date of
the last version. The user must make sure such information is complete in relation to the specific use being
made of the product.
Said document must not be interpreted as a guarantee of any specific property of the product. Since the
use of the product is not under our direct control, it is the responsibility of the user to observe the law and
other provisions in force on matters of health and safety. We shall not be held liable for any improper uses.
## INGREDIENTS SHEET

<table>
<thead>
<tr>
<th>COMPONENT IUPAC</th>
<th>INCI NAME</th>
<th>CAS</th>
<th>Pharmacopea name</th>
<th>EINECS</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
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<td>AQUA</td>
<td>7732-18-5</td>
<td>aqua</td>
<td>231-791-2</td>
<td>&gt; 10</td>
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<tr>
<td>1-BUTOXYPROPAN-2-OL</td>
<td>PROPYLENE GLYCOL BUTYL ETHER</td>
<td>5131-66-8</td>
<td>NA</td>
<td>225-878-4</td>
<td>1-10</td>
</tr>
<tr>
<td>2-aminoethanol</td>
<td>ETHANOLAMINE</td>
<td>141-43-5</td>
<td>NA</td>
<td>205-483-3</td>
<td>1-10</td>
</tr>
<tr>
<td>2-PROPYLHEPTANOL ETHOXYLATED POLYMER</td>
<td>BA</td>
<td>166736-08-9</td>
<td>NA</td>
<td>-</td>
<td>1-10</td>
</tr>
<tr>
<td>SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS</td>
<td>SODIUM C14-16 OLEFIN SULFONATE</td>
<td>68439-57-6</td>
<td>NA</td>
<td>270-407-8</td>
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<td>PERFUME AND AROMATIC COMPOSITIONS AND THEIR RAW MATERIALS</td>
<td>PARFUM</td>
<td>-</td>
<td>NA</td>
<td>-</td>
<td>0,1-1</td>
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</tbody>
</table>
Emergency telephone numbers
For urgent safety information call the Anti-Poison Center of your country:

<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>CUSTOMER SERVICE NR.</th>
<th>ANTI-POISON CENTER NR.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUSTRIA</td>
<td>(0043) 050 6700 200</td>
<td>(0043) 01 406 43 43</td>
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<tr>
<td>BELGIUM</td>
<td>0032 (0)2 263 33 33</td>
<td>(0032) 070 245 245</td>
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<td>CZECK REP.</td>
<td>(00420) 840 111 313</td>
<td>(00420) 224 91 54 02</td>
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<td>DENEMARK</td>
<td>(0045) 44880280</td>
<td>(0045) 82121212</td>
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<tr>
<td>FINLAND</td>
<td>(09) 61336 235</td>
<td>(09) 471977</td>
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<tr>
<td>FRANCE</td>
<td>(0033) 0892 700 150</td>
<td>(0033) 01 40 05 48 48</td>
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<tr>
<td>GERMAN</td>
<td>(0049) 0711 93533655</td>
<td>(0049) 0761 19240</td>
</tr>
<tr>
<td>GREECE</td>
<td>(0030) 2109946400</td>
<td>(0030) 2107793777</td>
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<tr>
<td>HOLLAND</td>
<td>(0031) 076 530 6400</td>
<td>(0031) 030 274 8888</td>
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<tr>
<td>HUNGARY</td>
<td>(0036) 06 40 109 109</td>
<td>(0036) 80 20 11 99</td>
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<tr>
<td>IRELAND</td>
<td>(00353) 0844 815 8989</td>
<td>(00353) 1 8092566</td>
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<tr>
<td>ITALY</td>
<td>(0039) 199 580 480</td>
<td>(0039) 02 66101029</td>
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<tr>
<td>NORWAY</td>
<td>(0047) 22782500</td>
<td>(0047) 22 59 13 00</td>
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</table>
| POLAND             | (0048) 801 900 666   | Warszawa: (0048) 22 619 66 54  
                      |                      | Gdańsk: (0048) 58 682 04 04  
                      |                      | Poznań: (0048) 61 847 69 46  
                      |                      | Kraków: (0048) 12 411 99 99 |
| PORTUGAL           | (00351) 707 203 204  | (00351) 808 250143   |
| ROMANIAN           | (0040) 0372 117 745  |                       |
| RUSSIA             | 007 (495)745 57 31   |                       |
| SLOVAKIA           | (00421) 0850 003 007 | (00421) 2 54774166   |
| SPAIN              | (0034) 902 203 204   | (0034) 915 620 420   |
| SWEDEN             | (0046) 0771 751570   | (0046) 08 331231     |
| SWISS              | (0041) 0848 801 005  | (0041) 145           |
| UK                 | (0044) 0844 815 8989 | (0044) 0845 46 47    |
| UKRAIN             | (00380) 0 800 501 150| (0044) 020 7188 0600 |