SAFETY DATA SHEET

In accordance with 1907/2006 Annex II (2015/830) and 1272/2008
(All references to EU regulations and directives are abbreviated into only the numeric term)
Issued 2017-07-27
Replaces issued SDS 2017-07-27
Version number 4.0

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

1.1. Product identifier
   Trade name: ESD-Cleaner, golv
   Article number: 50101

1.2. Relevant identified uses of the substance or mixture and uses advised against
   Identified uses: Floor cleaning agent

1.3. Details of the supplier of the safety data sheet
   Company: ESD-Center AB
   Ringugnsngatan 8
   21616 Malmö
   Sweden
   Contact person: Stefan Sjökvist
   Telephone: +46 (0)40-36 32 40
   Cell phone: +46 (0)709-57 40 85
   E-mail: stefan.sjokvist@esd-center.se

1.4. Emergency telephone number
   Acute cases: Call 112, request poison information.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   Upon assessment, this mixture is not classified as hazardous according to 1272/2008

2.2. Label elements
   Hazard pictogram: Not applicable
   Signal word: Not applicable
   Hazard statement: Not applicable

2.3. Other hazards
   Not indicated.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
   Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>FATTY ALCOHOL ETHOXYLATE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No: 68439-45-2</td>
<td>Skin Irrit 2, Eye Irrit 2; H315, H319</td>
<td>3 - 6.99 %</td>
</tr>
<tr>
<td>EC No: 614-481-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Lauryl Ether Sulfate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No: 68891-38-3</td>
<td></td>
<td>3 - 6.99 %</td>
</tr>
<tr>
<td>EC No: 500-234-8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

<5% Anionic surfactants.
<5% Non-ionic surfactants.
SECTION 4: First aid measures

4.1. Description of first aid measures
Generally
No special measures are considered to be necessary. If symptoms do occur however, call a doctor/physician.
Upon breathing in
In case of inhaling large amounts of smoke, fog or dust, flush nose, mouth and throat with water. If symptoms occur seek medical advice.
Upon eye contact
As a precaution, rinse the eye thoroughly with water; If symptoms occur, call a doctor/physician.
Upon skin contact
Remove contaminated clothes.
Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.
Upon ingestion
No special measures should be necessary: to be on the safe side, induce vomiting and contact a physician.

4.2. Most important symptoms and effects, both acute and delayed
Upon breathing in
May cause respiratory irritation.
Upon eye contact
Eye irritation may occur.
Upon skin contact
Prolonged contact may cause skin irritation.
Upon ingestion
Irritation may occur.
Ingestion of larger quantities of product may cause discomfort or it may impact the general health condition.

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

SECTION 5: Fire-fighting measures

5.1. Extinguishing media
Extinguish with materials intended for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
The product is not hazardous in the flammable sense.
Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.
The product does not oxidise.

5.3. Advice for fire-fighters
In case of fire use a respirator mask.
Precautions according to standard procedures for chemical fires.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Do not inhale the product and avoid exposure to skin and eyes.
Dust filter IIb (P2) may be required when cleaning up.
In case of spillage in protected water, call the emergency services immediately, tel. 112 (in Europe).

6.2. Environmental precautions
Avoid emissions into soil, water or air.
At amounts considered in this case, the product may be released into the natural environment without serious environmental consequences. Large emissions should however be reported to the emergency services and the Environment Agency.

6.3. Methods and material for containment and cleaning up
Carefully collect the material for combustion waste disposal, then wash the spillage area with water.
Contaminated products should be treated as chemical waste and declared as non-hazardous goods.

6.4. Reference to other sections
See section 8 and 13 for personal protection equipment and disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Treat the substance as potentially harmful to health.
Store this product separately from food items and keep it out of the reach of children and pets.
Handle in premises which have modern ventilation standards.
Do not eat, drink or smoke in premises where this product is handled.

7.2. **Conditions for safe storage, including any incompatibilities**
Store in a well-ventilated area, not above eye-level.
Store only in the original package.
Do not store above normal room temperature.

7.3. **Specific end uses**
Not relevant.

**SECTION 8: Exposure controls/personal protection**

8.1. **Control parameters**
8.1.1. **National limit values**
All ingredients (cf. Section 3) lack occupational exposure limit values.

**DNEL**
No data available.

**PNEC**
No data available.

8.2. **Exposure controls**
In terms of minimizing risks, no special attention is needed for this product besides the general obligations that follow EU directive 89/391 and national occupational legislation.

8.2.1. **Appropriate engineering controls**
Handle in premises which have modern ventilation standards.

**Eye/face protection**
Eye protection should be worn if there is any danger of direct exposure or splashing.

**Skin protection**
Protective gloves are normally not needed due to the properties of this product, but may be necessary for other reasons, e.g. mechanical risks, temperature conditions or microbiological risks.

**Respiratory protection**
Protective breathing equipment should only be required in extreme work-situations. Consult the manufacturer if this is the case.
Dust filter IIb (P2) may be required.

8.2.3. **Environmental exposure controls**
For limitation of environmental exposure, see Section 12.

**SECTION 9: Physical and chemical properties**

9.1. **Information on basic physical and chemical properties**

- **Appearance** Form: emulsion.
- **Odour** Not indicated
- **Odour threshold** Not indicated
- **pH** 7 - 9
- **Melting point/freezing point** Not indicated
- **Initial boiling point and boiling range** 100 °C
- **Flash point** Not indicated
- **Evaporation rate** Not indicated
- **Flammability (solid, gas)** Not applicable
- **Upper/lower flammability or explosive limits** Not indicated
- **Vapour pressure** Not indicated
- **Vapour density** Not indicated
- **Relative density** 0.990 kg/L
- **Solubility** Not indicated
- **Partition coefficient: n-octanol/water** Not applicable
- **Auto-ignition temperature** Not indicated
- **Decomposition temperature** Not indicated
- **Viscosity** Not indicated
- **Explosive properties** Not applicable
- **Oxidising properties** Not applicable

9.2. **Other information**
No data available

**SECTION 10: Stability and reactivity**
10.1. Reactivity
The product contains no substances which can lead to hazardous reactions at normal use.

10.2. Chemical stability
The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions
No hazardous reactions known.

10.4. Conditions to avoid
None in particular.

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
The product is not classified as toxic.
Ingestion may irritate mouth, pharynx and oesophagus.

Acute toxicity
The product is not classified as acute toxic.
Ingestion of the product may cause malaise or deterioration of the general condition.

Skin corrosion/irritation
Can cause skin irritation after repeated or prolonged contact.

Serious eye damage/irritation
Eye contact may cause burning pain or irritation.

Respiratory or skin sensitisation
Hypersensitive reactions cannot be ruled out for persons who are overtly sensitive.

Germ cell mutagenicity
To the best of our knowledge, no mutagenic effects have been reported for this product.

Carcinogenicity
To the best of our knowledge, no carcinogenic effects have been reported for this product.

Reproductive toxicity
To the best of our knowledge, no mutagenic or otherwise genetic or reproductive toxic effects have been reported for this product.

STOT-single exposure
No known hazards for occasional exposure.

STOT-repeated exposure
To the best of our knowledge, no chronic effects have been reported for this product.

Aspiration hazard
The product is not classified as being toxic for aspiration.

SECTION 12: Ecological information

12.1. Toxicity
This product consists of easily degradable naturally occurring or nature identical substances, mainly obtained from renewable sources, whereby the global environmental load may be considered to be negligible. In the local environment minor ecological effects may occur in case of large discharge.

12.2. Persistence and degradability
The surfactants used in this product comply with the criteria for biodegradability under Regulation 648/2004.

12.3. Bioaccumulative potential
Neither this product, nor its contents, accumulates in nature.

12.4. Mobility in soil
No information about mobility in the nature exists but there is no reason to suppose the product to be ecologically harmful because of this.

12.5. Results of PBT and vPvB assessment
Not indicated.

12.6. Other adverse effects
This product degrades rapidly but large emission within a short period of time may be harmful to the local environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste handling of the product
The product is not classified as hazardous waste.
This product is not usually recycled. Combustion is a suitable method for final disposal of this waste product. Also take local regulations for dealing with waste into account. See also national waste regulations.

**Classification according to 2006/12**
Recommended LoW-code: 20 01 30 Detergents other than those mentioned in 20 01 29

SECTION 14: Transport information
Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

14.1. UN number
Not classified as dangerous goods

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 MARPOL73/78 and the IBC Code
Not applicable

14.8 Other transport information
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Not indicated.

15.2. Chemical safety assessment
Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

SECTION 16: Other information

16a. Indication of where changes have been made to the previous version of the safety data sheet
Revisions of this document
Earlier versions
2017-07-27 Changes in section(s) 3, 4, 5, 8, 11, 12.

16b. Legend to abbreviations and acronyms used in the safety data sheet
Full texts for Hazard Class and Category Code mentioned in section 3
Skin Irrit 2 Skin Irritant (Category 2)
Eye Irrit 2 Irritates eyes (Category 2)

Explanation of the abbreviations in Section 14
ADR European Agreement concerning the International Transport of Dangerous Goods by Road
RID Regulations concerning the International Transport of Dangerous Goods by Rail
IMDG International Maritime Dangerous Goods Code
ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)
IATA The International Air Transport Association

16c. Key literature references and sources for data
Sources for data
Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2017-07-27.
Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Safety Data Sheet
16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification
Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.

16e. List of relevant hazard statements and/or precautionary statements
Full texts for hazard statements mentioned in section 3
H315 Causes skin irritation
H319 Causes serious eye irritation

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment
Warning for misuse
This product can cause injuries if not used properly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with its intended use.

Other relevant information

Editorial information
This material safety data sheet has been prepared and checked by KemRisk®, KemRisk Sweden AB, Platensgatan 8, SE-582 20 Linköping, Sweden, www.kemrisk.se