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

1.1 Product identifier

Toko Eco Proof

10569 Colltex Eco Skinproof 125ml
5582625 Eco Textile Proof 500ml
5582627 Eco Shoe Proof & Care 500ml

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

Relevant identified uses of the substance or mixture:
- Impregnator
- Care product

Sector of use [SU]:
- SU21 - Consumer uses: Private households (=general public = consumers)

Chemical product category [PC]:
- PC34 - Textile dyes, and impregnating products

Environmental Release Category [ERC]:
- ERC 8a - Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- ERC 8d - Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

Uses advised against:
No information available at present.

1.3 Details of the supplier of the safety data sheet

Brav Germany GmbH, Junkersstr. 1, 82178 Puchheim, Germany
Phone:+49 (0)89 849 369 0, Fax:+49 (0)89 849 369 13
info@brav-germany.com, www.brav-germany.com

Toko AG
Industriestrasse 4
CH-9450 Altstätten SG
Tel.: +41 (0)71 757 73 73 Fax: +41 (0)71 757 73 00
www.toko.ch
www.facebook.com/tokoworldwide

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:
---

Telephone number of the company in case of emergencies:
+49 (0) 700 / 24 112 112 (SWS)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) 1272/2008 (CLP)

**Hazard class** | **Hazard category** | **Hazard statement**
--- | --- | ---
Flam. Liq. | 2 | H225-Highly flammable liquid and vapour.
Eye Irrit. | 2 | H319-Causes serious eye irritation.
STOT SE | 3 | H336-May cause drowsiness or dizziness.

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

![Danger symbol]


P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children. P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261-Avoid breathing vapours or spray. P271-Use only outdoors or in a well-ventilated area. P280-Wear eye protection. P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312-Call a POISON CENTRE / doctor if you feel unwell. P403+P233-Store in a well-ventilated place. Keep container tightly closed. P405-Store locked up. P501-Dispose of contents / container to an approved waste disposal facility.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

<table>
<thead>
<tr>
<th>Propan-2-ol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration number (REACH)</td>
</tr>
<tr>
<td>Index</td>
</tr>
<tr>
<td>EINECS, ELINCS, NLP</td>
</tr>
<tr>
<td>CAS</td>
</tr>
<tr>
<td>content %</td>
</tr>
</tbody>
</table>
| Classification according to Regulation (EC) 1272/2008 (CLP) | Flam. Liq. 2, H225  
Eye Irrit. 2, H319  
STOT SE 3, H336 |

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.
SECTION 4: First aid measures

4.1 Description of first aid measures
First-aiders should ensure they are protected!
Never pour anything into the mouth of an unconscious person!

**Inhalation**
Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.
If the person is unconscious, place in a stable side position and consult a doctor.

**Skin contact**
Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.
Unsuitable cleaning product:
Solvent
Thinners

**Eye contact**
Remove contact lenses.
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

**Ingestion**
Rinse the mouth thoroughly with water.
Give copious water to drink - consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed
If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

**Watering eyes**
If solvent components are inhaled above the air threshold-value:
Irritation of the respiratory tract
Coughing
Headaches
Dizziness
Effects/damage the central nervous system
Coordination disorders
Unconsciousness
With long-term contact:
Product removes fat.
Drying of the skin.
Dermatitis (skin inflammation)
Skin resorption

4.3 Indication of any immediate medical attention and special treatment needed
Ingestion of large quantities:
Sodium sulphate laxative (1 table spoon and 1 glass of water) with generous amounts of activated charcoal.

SECTION 5: Firefighting measures

5.1 Extinguishing media
**Suitable extinguishing media**
CO2
Extinction powder
Water jet spray
Alcohol resistant foam

**Unsuitable extinguishing media**
High volume water jet

5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:
Oxides of carbon
Formaldehyde
Toxic gases
Explosive vapour/air or gas/air mixtures.

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
According to size of fire
Full protection, if necessary.
Cool container at risk with water.
Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Remove possible causes of ignition - do not smoke.
Ensure sufficient supply of air.
Avoid inhalation, and contact with eyes or skin.
If applicable, caution - risk of slipping.

6.2 Environmental precautions
If leakage occurs, dam up.
Resolve leaks if this possible without risk.
Prevent surface and ground-water infiltration, as well as ground penetration.
Prevent from entering drainage system.
If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up
Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

6.4 Reference to other sections
For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling
7.1.1 General recommendations
Ensure good ventilation.
Avoid inhalation of the vapours.
Keep away from sources of ignition - Do not smoke.
Take measures against electrostatic charging, if appropriate.
Avoid contact with eyes or skin.
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
Observe directions on label and instructions for use.
Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities
Keep out of access to unauthorised individuals.
Not to be stored in gangways or stair wells.
Store product closed and only in original packing.
Do not store with flammable or self-igniting materials.
Observe special storage conditions.
Protect from direct sunlight and warming.
Store in a well-ventilated place.
Store cool.

7.3 Specific end use(s)
No information available at present.
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Chemical Name

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Propan-2-ol</th>
<th>Content %: 80-100</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL-TWA: 400 ppm (999 mg/m³)</td>
<td>WEL-STEL: 500 ppm (1250 mg/m³)</td>
<td>---</td>
</tr>
</tbody>
</table>

Monitoring procedures:
- Compur - KITA-122 SA(C) (549 277)
- Compur - KITA-150 U (550 382)
- Draeger - Alcohol 25/a i-Propanol (81 01 631)
- DFG (D) (Losungsmittelgemische), DFG (E) (Solvent mixtures 6) - 1998, 2002 -
- Draeger - Alcohol 100/a (CH 29 701)

BMGV: ---
Other information: ---

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here.
Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.
These are specified by e.g. BS EN 14042.
BS EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".
8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
Chemical resistant protective gloves (EN 374). If applicable
Safety gloves made of butyl (EN 374)
Protective nitrile gloves (EN 374).
Minimum layer thickness in mm:
0,4
Permeation time (penetration time) in minutes:
> 480
The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.
Protective Viton® / fluoroelastomer gloves (EN 374)
Protective hand cream recommended.

Skin protection - Other:
Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:
If OES or MEL is exceeded.
Filter A P2 (EN 14387), code colour brown, white
Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:
Not applicable

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 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>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour:</td>
<td>Clear</td>
</tr>
<tr>
<td>Odour:</td>
<td>Alcoholic</td>
</tr>
<tr>
<td>Odour threshold:</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point:</td>
<td>12 - 14 °C (Propan-2-ol)</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Lower explosive limit:</td>
<td>2 Vol-% (20°C, Propan-2-ol)</td>
</tr>
</tbody>
</table>
Upper explosive limit: 12 Vol-% (Propan-2-ol)
Vapour pressure: 42 - 48 hPa (Propan-2-ol)
Vapour density (air = 1): Not determined
Density: 0.75 - 0.85 g/cm³ (20°C)
Bulk density: n.a.
Solubility(ies): Not determined
Water solubility: Mixable
Partition coefficient (n-octanol/water): Not determined
Auto-ignition temperature: 425 °C (Propan-2-ol)
Decomposition temperature: Not determined
Viscosity: Not determined
Explosive properties: Product is not explosive. When using: development of explosive vapour/air mixture possible.
Oxidising properties: No

9.2 Other information
Miscibility: Not determined
Fat solubility / solvent: Not determined
Conductivity: Not determined
Surface tension: Not determined
Solvents content: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity
The product has not been tested.

10.2 Chemical stability
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions
No dangerous reactions are known.

10.4 Conditions to avoid
Heating, open flame, ignition sources
Electrostatic charge

10.5 Incompatible materials
Amines
Bases
Acids
Oxidizing agents
Peroxides
Alkali metals
Alkaline-earth metals

10.6 Hazardous decomposition products
No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Possibly more information on health effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
<tr>
<td>Skin corrosion/irritiation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
</tbody>
</table>
### Germ cell mutagenicity:
- n.d.a.

### Carcinogenicity:
- n.d.a.

### Reproductive toxicity:
- n.d.a.

### Specific target organ toxicity - single exposure (STOT-SE):
- n.d.a.

### Specific target organ toxicity - repeated exposure (STOT-RE):
- n.d.a.

### Aspiration hazard:
- No

### Symptoms:
- breathing difficulties, unconsciousness, vomiting, headaches, fatigue, dizziness, nausea

### Toxicity / effect

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50 4570-5840</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50 13900</td>
<td>mg/kg</td>
<td>Rabbit</td>
<td>OECD 402 (Acute Dermal Toxicity)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LC50 30</td>
<td>mg/l/4h</td>
<td>Rat</td>
<td>OECD 404 (Acute Dermal Irritation/Corrosion)</td>
<td>Not irritant</td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td></td>
<td></td>
<td>Rabbit</td>
<td>OECD 405 (Acute Eye Irritation/Corrosion)</td>
<td>Eye Irrit. 2</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td></td>
<td></td>
<td>Guinea pig</td>
<td>OECD 406 (Skin Sensitisation)</td>
<td>Not sensitising</td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td></td>
<td></td>
<td>Salmonella typhimurium</td>
<td>(Ames-Test)</td>
<td>Negative</td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Negative</td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Negative</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure (STOT-RE):</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Target organ(s): liver</td>
</tr>
<tr>
<td>Symptoms:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure (STOT-RE), oral:</td>
<td>NOAEL 900</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
</table>
12.5. Results of PBT and vPvB assessment n.d.a.
12.6. Other adverse effects: n.d.a.

### Toxicity / effect

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1. Toxicity to fish:</td>
<td>LC50</td>
<td>96h</td>
<td>&gt;100</td>
<td>mg/l</td>
<td>Leuciscus idus</td>
<td></td>
</tr>
<tr>
<td>12.1. Toxicity to daphnia:</td>
<td>EC50</td>
<td>48h</td>
<td>2285</td>
<td>mg/l</td>
<td>Daphnia magna</td>
<td></td>
</tr>
<tr>
<td>12.1. Toxicity to algae:</td>
<td>EC50</td>
<td>72h</td>
<td>&gt;100</td>
<td>mg/l</td>
<td>Desmodesmus subspicatus</td>
<td></td>
</tr>
<tr>
<td>12.2. Persistence and degradability:</td>
<td></td>
<td>21d</td>
<td>95</td>
<td>%</td>
<td>OECD 301 E (Ready Biodegradability - Modified OECD Screening Test)</td>
<td>Readily biodegradable</td>
</tr>
<tr>
<td>12.2. Persistence and degradability:</td>
<td></td>
<td></td>
<td>99,9</td>
<td>%</td>
<td>OECD 303 A (Simulation Test - Aerobic Sewage Treatment - Activated Sludge Units)</td>
<td>Readily biodegradable</td>
</tr>
<tr>
<td>12.3. Bioaccumulative potential:</td>
<td>Log Pow</td>
<td>0,05</td>
<td></td>
<td></td>
<td>OECD 107 (Partition Coefficient (n-octanol/water) - Shake Flask Method)</td>
<td></td>
</tr>
<tr>
<td>12.5. Results of PBT and vPvB assessment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No PBT substance, No vPvB substance</td>
<td></td>
</tr>
<tr>
<td>12.4. Mobility in soil:</td>
<td>Koc</td>
<td>1,1</td>
<td></td>
<td></td>
<td>Expert judgement</td>
<td></td>
</tr>
<tr>
<td>Toxicity to bacteria:</td>
<td>EC50</td>
<td></td>
<td>&gt;1000</td>
<td>mg/l</td>
<td>activated sludge</td>
<td></td>
</tr>
<tr>
<td>Other information:</td>
<td>ThOD</td>
<td></td>
<td>2,4</td>
<td>g/g</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other information:</td>
<td>BOD5</td>
<td></td>
<td>53</td>
<td>%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other information:</td>
<td>COD</td>
<td></td>
<td>96</td>
<td>%</td>
<td></td>
<td>References</td>
</tr>
<tr>
<td>Other information:</td>
<td>COD</td>
<td></td>
<td>2,4</td>
<td>g/g</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other information:</td>
<td>BOD</td>
<td></td>
<td>1171</td>
<td>mg/g</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**For the substance / mixture / residual amounts**

EC disposal code no.: The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU) 07 07 04 other organic solvents, washing liquids and mother liquors

**Recommendation:** Sewage disposal shall be discouraged. Pay attention to local and national official regulations. E.g. suitable incineration plant.

**For contaminated packing material**

Pay attention to local and national official regulations. Empty container completely. Uncontaminated packaging can be recycled.
Dispose of packaging that cannot be cleaned in the same manner as the substance.
Do not perforate, cut up or weld uncleaned container.
Residues may present a risk of explosion.

15 01 02 plastic packaging

SECTION 14: Transport information

General statements
14.1. UN number: 1219

Transport by road/by rail (ADR/RID)
14.2. UN proper shipping name: UN 1219  ISOPROPANOL, MIXTURE
14.3. Transport hazard class(es): 3
14.4. Packing group: II
14.5. Environmental hazards: Not applicable
LQ: 1 L
Tunnel restriction code: D/E

Transport by sea (IMDG-code)
14.2. UN proper shipping name: ISOPROPANOL, MIXTURE
14.3. Transport hazard class(es): 3
14.4. Packing group: II
EmS: F-E, S-D
Marine Pollutant: n.a
14.5. Environmental hazards: Not applicable

Transport by air (IATA)
14.2. UN proper shipping name: Isopropanol mixture
14.3. Transport hazard class(es): 3
14.4. Packing group: II
14.5. Environmental hazards: Not applicable

14.6. Special precautions for user
Persons employed in transporting dangerous goods must be trained.
All persons involved in transporting must observe safety regulations.
Precautions must be taken to prevent damage.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Freighted as packaged goods rather than in bulk, therefore not applicable.
Minimum amount regulations have not been taken into account.
Danger code and packing code on request.
Comply with special provisions.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Observe restrictions:
Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>Notes to Annex I</th>
<th>Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Lower-tier requirements</th>
<th>Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Upper-tier requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>P5c</td>
<td></td>
<td>5000</td>
<td>50000</td>
</tr>
</tbody>
</table>

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.
15.2 Chemical safety assessment
A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 2, 3, 8, 11, 12, 16

Employee training in handling dangerous goods is required.
Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

<table>
<thead>
<tr>
<th>Classification in accordance with regulation (EC) No. 1272/2008 (CLP)</th>
<th>Evaluation method used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 2, H225</td>
<td>Classification based on test data.</td>
</tr>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>Classification according to calculation procedure.</td>
</tr>
<tr>
<td>STOT SE 3, H336</td>
<td>Classification according to calculation procedure.</td>
</tr>
</tbody>
</table>

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Flam. Liq. — Flammable liquid
Eye Irrit. — Eye irritation
STOT SE — Specific target organ toxicity - single exposure - narcotic effects

Any abbreviations and acronyms used in this document:

AC  Article Categories
acc., acc. to    according to
ACGIH  American Conference of Governmental Industrial Hygienists
ADR  Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOEL  Acceptable Operator Exposure Level
AOX  Adsorbable organic halogen compounds
approx.  approximately
Art., Art. no.  Article number
ATE  Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM  Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
BAUA  Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
BCF  Bioconcentration factor
BGV  Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
BHT  Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
BMGV  Biological monitoring guidance value (EH40, UK)
BOD  Biochemical oxygen demand
BSEF  Bromine Science and Environmental Forum
bw  body weight
CAS  Chemical Abstracts Service
CEC  Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids
CESIO  Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
CIPAC Collaborative International Pesticides Analytical Council
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR carcinogenic, mutagenic, reproductive toxic
COD Chemical oxygen demand
CTFA Cosmetic, Toiletry, and Fragrance Association
DMEL Derived Minimum Effect Level
DNEL Derived No Effect Level
DOC Dissolved organic carbon
DT50 Dwell Time - 50% reduction of start concentration
DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)
dw dry weight
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
EC European Community
ECHA European Chemicals Agency
EEA European Economic Area
EEC European Economic Community
EINECS European Inventory of Existing Commercial Chemical Substances
ELINCS European List of Notified Chemical Substances
EN European Norms
EPA United States Environmental Protection Agency (United States of America)
ERC Environmental Release Categories
ES Exposure scenario
etc. et cetera
EU European Union
EWC European Waste Catalogue
Fax. Fax number
gen. general
GHS Globally Harmonized System of Classification and Labelling of Chemicals
GWP Global warming potential
HET-CAM Hen's Egg Test - Chorionallantoic Membrane
HGWP Halocarbon Global Warming Potential
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IBC Intermediate Bulk Container
IC Inhibitory concentration
IMDG-code International Maritime Code for Dangerous Goods
incl. including, inclusive
IUCLID International Uniform Chemical Information Database
LD lethal concentration
LC lethal concentration 50 percent kill
LCLo lowest published lethal concentration
LD Lethal Dose of a chemical
LD50 Lethal Dose, 50% kill
LDLo Lethal Dose Low
LOAEL Lowest Observed Adverse Effect Level
LOEC Lowest Observed Effect Concentration
LOEL Lowest Observed Effect Level
LQ Limited Quantities
MARPOL International Convention for the Prevention of Marine Pollution from Ships
n.a. not applicable
n.av. not available
n.c. not checked
n.d.a. no data available
NIOSH National Institute of Occupational Safety and Health (United States of America)
NOAEC No Observed Adverse Effective Concentration
NOAEL No Observed Adverse Effect Level
NOEC No Observed Effect Concentration
NOEL No Observed Effect Level
ODP Ozone Depletion Potential
OECD Organisation for Economic Co-operation and Development
The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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