# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

# Cleaning Fluid

Version number: 15.0
Replaces version of: 2016-12-14 (14)
(14)

Part No. 9972

Revision: 2018-08-06
First version: 2009-08-04

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

### 1.1 Product identifier

| | |
|---|---|
| **Trade name** | **Cleaning Fluid** |
| **Product number** | 9972.100 / 9972.101 |
| **Registration number (REACH)** | not relevant (mixture) |
| **CAS number** | not relevant (mixture) |

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

| | |
|---|---|
| **Relevant identified uses** | Cleaning Fluid for Safety Spectacles |

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

UVEX ARBEITSSCHUTZ GMBH
Würzburger Str. 181 - 189
90766 Fürth
Germany

e-mail: SDB@uvex.de

| | |
|---|---|
| **e-mail (competent person)** | sdb@csb-online.de |

Please do not use this e-mail adress to ask for the latest safety data sheet. For this purpose contact UVEX ARBEITSSCHUTZ GMBH.

| | |
|---|---|
| **National contact** | Strategic Research & Development<br>SDB@uvex.de |

### 1.4 Emergency telephone number

As above or next toxicological information centre.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 (CLP)**

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP)**

Supplemental hazard information

**EUH210** Safety data sheet available on request.

### 2.3 Other hazards

**Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not relevant (mixture)

### 3.2 Mixtures

**Description of the mixture**

**Hazardous ingredients**

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Picto-grams | Notes | Specific Conc. Limits | M-Factors |
|---|---|---|---|---|---|---|---|
| propan-2-ol | CAS No 67-63-0<br><br>EC No 200-661-7<br><br>Index No 603-117-00-0 | 5 – < 10 | Flam. Liq. 2 / H225<br>Eye Irrit. 2 / H319<br>STOT SE 3 / H336 |  | GHS-HC | | |

**Notes**

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General notes**

In all cases of doubt, or when symptoms persist, seek medical advice.

**Following inhalation**

Provide fresh air.
Mouth to mouth resuscitation should be avoided. Use alternative methods, preferably with oxygen or compressed air driven apparatus.

**Following skin contact**

Wash with plenty of soap and water.

**Following eye contact**

Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

**Following ingestion**

Rinse mouth. Do not induce vomiting.
Get medical advice/attention if you feel unwell.

**Notes for the doctor**

none

### 4.2 Most important symptoms and effects, both acute and delayed

Narcotic effects.

### 4.3 Indication of any immediate medical attention and special treatment needed

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

water spray, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO2)

**Unsuitable extinguishing media**

water jet

### 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Section 10.

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
Co-ordinate firefighting measures to the fire surroundings.
Do not allow firefighting water to enter drains or water courses.
Collect contaminated firefighting water separately.
Fight fire with normal precautions from a reasonable distance.

**Special protective equipment for firefighters**

use suitable breathing apparatus

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

Ventilate affected area.
Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

**For emergency responders**

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water.
Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

**Advices on how to clean up a spill**

Collect spillage.
Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

**Appropriate containment techniques**

Use of adsorbent materials.

**Other information relating to spills and releases**

Place in appropriate containers for disposal.
Ventilate affected area.

### 6.4 Reference to other sections

Personal protective equipment: see section 8.
Incompatible materials: see section 10.
Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation.

**Specific notes/details**

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

**Measures to protect the environment**

Avoid release to the environment.

**Advice on general occupational hygiene**

Do not eat, drink and smoke in work areas.
Wash hands after use.

### 7.2 Conditions for safe storage, including any incompatibilities

**Flammability hazards**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Incompatible substances or mixtures**

Incompatible materials: see section 10.

**Protect against external exposure, such as**

frost

**Consideration of other advice**

Keep away from food, drink and animal feedingstuffs.

**Ventilation requirements**

Provision of sufficient ventilation.

**Packaging compatibilities**

Keep only in original container.

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limit values (Workplace Exposure Limits)**

| Country | Name of agent | CAS No | Notation | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Source |
|---|---|---|---|---|---|---|---|---|---|
| GB | propan-2-ol | 67-63-0 | | WEL | 400 | 999 | 500 | 1,250 | EH40/2005 |

**Notation**

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

**Relevant DNELs of components of the mixture**

| Name of substance | CAS No | Endpoint | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---|---|---|---|---|---|---|
| propan-2-ol | 67-63-0 | DNEL | 500 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| propan-2-ol | 67-63-0 | DNEL | 888 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |

**Relevant PNECs of components of the mixture**

| Name of substance | CAS No | Endpoint | Threshold level | Environmental compartment |
|---|---|---|---|---|
| propan-2-ol | 67-63-0 | PNEC | 140.9 mg/l | water |
| propan-2-ol | 67-63-0 | PNEC | 140.9 mg/l | marine water |
| propan-2-ol | 67-63-0 | PNEC | 2,251 mg/l | sewage treatment plant (STP) |
| propan-2-ol | 67-63-0 | PNEC | 552 mg/kg | freshwater sediment |
| propan-2-ol | 67-63-0 | PNEC | 552 mg/kg | marine sediment |
| propan-2-ol | 67-63-0 | PNEC | 140.9 mg/l | freshwater |
| propan-2-ol | 67-63-0 | PNEC | 28 mg/kg | soil |

### 8.2 Exposure controls

**Appropriate engineering controls**

General ventilation.

**Individual protection measures (personal protective equipment)**

Short-term (single instance):Wear protective gloves/protective clothing/eye protection/face protection not required.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls**

Use appropriate container to avoid environmental contamination.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance**

| | |
|---|---|
| Physical state | liquid |
| Form | fluid |
| Colour | colourless |
| Odour | alcohol-like |
| Odour threshold | these information are not available |

**Other safety parameters**

| | |
|---|---|
| pH (value) | 7 |
| Melting point/freezing point | these information are not available |
| Initial boiling point and boiling range | 94 °C |
| Flash point | 39 °C<br>(Abel-Pensky c.c.) |
| Evaporation rate | these information are not available |
| Flammability (solid, gas) | not relevant<br>(fluid) |

**Explosive limits**

| | |
|---|---|
| Lower explosion limit (LEL) | these information are not available |
| Upper explosion limit (UEL) | these information are not available |
| Vapour pressure | these information are not available |
| Density | 0.98 $^{g}/_{cm^3}$ at 20 °C |
| Vapour density | these information are not available |

| | |
|---|---|
| Relative density | these information are not available |
| **Solubility(ies)** | |
| Water solubility | miscible in any proportion |
| **Partition coefficient** | |
| n-octanol/water (log KOW) | these information are not available |
| Auto-ignition temperature | these information are not available |
| Relative self-ignition temperature for solids | not relevant<br>(Fluid) |
| Decomposition temperature | these information are not available |
| **Viscosity** | |
| Kinematic viscosity | these information are not available |
| Dynamic viscosity | these information are not available |
| Explosive properties | not explosive |
| Oxidising properties | shall not be classified as oxidising |

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Needs not be classified as flammable: flash point of more than 35 °C and negative results have been obtained in the sustained combustibility test.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat.

### 10.5 Incompatible materials

oxidisers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Classification procedure**

If not otherwise specified the classification is based on:
Ingredients of the mixture (additivity formula).

**Classification according to GHS (1272/2008/EC, CLP)**

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

**Acute toxicity**

**Acute toxicity of components of the mixture**

| Name of substance | CAS No | Exposure route | Endpoint | Value | Species |
|---|---|---|---|---|---|
| propan-2-ol | 67-63-0 | inhalation: vapour | LC50 | >25 $^{mg}/_{l}$/4h | rat |
| propan-2-ol | 67-63-0 | oral | LD50 | 5,840 $^{mg}/_{kg}$ | rat |
| propan-2-ol | 67-63-0 | dermal | LD50 | 13,400 $^{mg}/_{kg}$ | rabbit |

**Skin corrosion/irritation**

Shall not be classified as corrosive/irritant to skin.

**Serious eye damage/eye irritation**

Shall not be classified as seriously damaging to the eye or eye irritant.

**Respiratory or skin sensitisation**

**Skin sensitisation**
Shall not be classified as a skin sensitiser.
**Respiratory sensitisation**
Shall not be classified as a respiratory sensitiser.

**Germ cell mutagenicity**

Shall not be classified as germ cell mutagenic.

**Carcinogenicity**

Shall not be classified as carcinogenic.

**Reproductive toxicity**

Shall not be classified as a reproductive toxicant.

**Specific target organ toxicity - single exposure**

Shall not be classified as a specific target organ toxicant (single exposure).

**Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity (acute)

Test data are not available for the complete mixture.

#### Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| propan-2-ol | 67-63-0 | LC50 | 9,640 $^{mg}/_{l}$ | fathead minnow (Pimephales promelas) | 96 h |
| propan-2-ol | 67-63-0 | LC50 | >10,000 $^{mg}/_{l}$ | daphnia magna | 24 h |

#### Aquatic toxicity (chronic)

Test data are not available for the complete mixture.

### 12.2 Persistence and degradability

#### Degradability of components of the mixture

| Name of substance | CAS No | Process | Degradation rate | Time |
|---|---|---|---|---|
| propan-2-ol | 67-63-0 | oxygen depletion | 53 % | 5 d |

#### Biodegradation

Data are not available.

#### Persistence

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

#### Bioaccumulative potential of components of the mixture

| Name of substance | CAS No | Log KOW |
|---|---|---|
| propan-2-ol | 67-63-0 | |

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Other adverse effects

Data are not available.

**Endocrine disrupting potential**

None of the ingredients are listed.

**Remarks**

Wassergefährdungsklasse, WGK (water hazard class): 1 (Slightly hazardous to water)
(Self-classification)

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Sewage disposal-relevant information**

Do not empty into drains.

**Waste treatment of containers/packagings**

Handle contaminated packages in the same way as the substance itself.

**Remarks**

Please consider the relevant national or regional provisions.

## SECTION 14: Transport information

| | | |
|---|---|---|
| **14.1** | **UN number** | not subject to transport regulations |
| **14.2** | **UN proper shipping name** | - |
| **14.3** | **Transport hazard class(es)** | |
| | **Class** | - |
| **14.4** | **Packing group** | - |
| **14.5** | **Environmental hazards** | non-environmentally hazardous acc. to the dangerous goods regulations |

### 14.6 Special precautions for user

There is no additional information.

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

The cargo is not intended to be carried in bulk.

### 14.8 Information for each of the UN Model Regulations

**Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)**

Not subject to ADR, RID and ADN.

### International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

### International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

## SECTION 15: Regulatory information

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

### Relevant provisions of the European Union (EU)

### Restrictions according to REACH, Annex XVII

| Name of substance | Name acc. to inventory | CAS No | Restriction |
|---|---|---|---|
| propan-2-ol | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC | | R3 |
| propan-2-ol | flammable / pyrophoric | | R40 |

**Legend**

R3 1. Shall not be used in:
- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
- can be used as fuel in decorative oil lamps for supply to the general public, and,
- present an aspiration hazard and are labelled with R65 or H304,
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
(a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010, 'Just a sip of lamp oil - or even sucking the wick of lamps - may lead to life-threatening lung damage';
(b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life threatening lung damage';
(c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.
7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.

**Legend**

R40 1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:
- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- 'whoopee' cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:
'For professional users only'.

3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (2).

4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

## List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

## Seveso Directive

**2012/18/EU (Seveso III)**

| No | Dangerous substance/hazard categories | Qualifying quantity (tonnes) for the application of lower and upper-tier requirements | | Notes |
|---|---|---|---|---|
| P5c | flammable liquids (cat. 2, 3) | 5,000 | 50,000 | 51) |

**Notation**

51) flammable liquids, categories 2 or 3 not covered by P5a and P5b

## Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

none of the ingredients are listed

## Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

## Regulation 648/2004/EC on detergents

**Labelling of contents**

| Wt% | Constituents |
|---|---|
| < 5 % | anionic surfactants |

### Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

none of the ingredients are listed

### Regulation 98/2013/EU on the marketing and use of explosives precursors

none of the ingredients are listed

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.
Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value) | Actual entry (text/value) |
|---|---|---|
| 8.1 | | Relevant PNECs of components of the mixture: change in the listing (table) |
| 9.1 | Flash point:<br>40 °C<br>(Abel-Pensky, <50°C, DIN 51755 c.c.) | Flash point:<br>39 °C<br>(Abel-Pensky c.c.) |
| 15.1 | | Restrictions according to REACH, Annex XVII: change in the listing (table) |
| 15.1 | | 2012/18/EU (Seveso III): change in the listing (table) |

### Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|---|---|
| ADN | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| EH40/2005 | EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |

| Abbr. | Descriptions of used abbreviations |
|---|---|
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| Flam. Liq. | Flammable liquid |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| index No | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 |
| log KOW | n-Octanol/water |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| NLP | No-Longer Polymer |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| STEL | Short-term exposure limit |
| STOT SE | Specific target organ toxicity - single exposure |
| SVHC | Substance of Very High Concern |
| TWA | Time-weighted average |
| vPvB | Very Persistent and very Bioaccumulative |
| WEL | Workplace exposure limit |

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).
International Maritime Dangerous Goods Code (IMDG).
Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties.
Health hazards.
Environmental hazards.
The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text |
|---|---|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |

### Responsible for the safety data sheet

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### Disclaimer

This information is based upon the present state of our knowledge.
This SDS has been compiled and is solely intended for this product.