

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 25.01.2024

Version number 9.07 (replaces version 9.06)

Revision: 25.01.2024

**1 Identification of the substance/mixture and of the company/undertaking**

· **1.1 Product identifier**

· **Trade name:** **ALCOTENS SKIN**

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

No further relevant information available.

· **Application of the substance / the mixture**

Hand disinfectant  
Skin disinfectant

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Tensio  
Doornpark 36  
9120 Beveren  
Belgium  
Tel.: +32 3 755 48 74  
Fax.: +32 3 755 51 55  
e-mail: info@tensio.be

· **Further information obtainable from:**

Product Safety Departement: SDS@tensio.be

· **1.4 Emergency telephone number:**

België / Belgique: Antigifcentrum / Centre Antipoison : +32 70 245 245  
Nederland: Nationaal Vergiftigingen Informatie Centrum : +31 30 274 88 88  
Members of the public seeking specific information on poisons should contact:  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111  
+3237554874

\* **2 Hazards identification**

· **2.1 Classification of the substance or mixture**

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

Flam. Liq. 3 H226 Flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

· **2.2 Label elements**

· **Labelling according to**

**Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**



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- **Signal word** Warning
  
- **Hazard-determining components of labelling:** propan-1-ol
- **Hazard statements** H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.
- **Precautionary statements** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P403+P235 Store in a well-ventilated place. Keep cool.
  
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 71-23-8	propan-1-ol	≥3–<10%
EINECS: 200-746-9	 Flam. Liq. 2, H225;  Eye Dam. 1, H318;  Acute Tox. 4, H302; STOT SE 3, H336	
CAS: 77-92-9	citric acid	≤2.5%
EINECS: 201-069-1	 Eye Irrit. 2, H319; STOT SE 3, H335	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air.  
Seek medical treatment in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Rinse out mouth and then drink plenty of water.

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· **4.2 Most important symptoms and effects, both acute and delayed**

Eye contact: lesions, irritations, pain, tearing, redness.  
Ingestion: burns, irritation, pain.

· **4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically. An eyewash is recommended in the immediate work area.

**5 Firefighting measures**

· **5.1 Extinguishing media**  
· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:  
Carbon monoxide (CO)

· **5.3 Advice for firefighters**  
· **Protective equipment:**

Wear self-contained respiratory protective device.

**6 Accidental release measures**

· **6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources.  
Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**

Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

· **7.1 Precautions for safe handling**

Store in cool, dry place in tightly closed receptacles.

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- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.  
Store in a cool location.
- **Information about storage in one common storage facility:** Store away from flammable substances.
- **Further information about storage conditions:** Store receptacle in fume cupboard.  
Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 64-17-5 ethanol (50–100%)**

WEL (Great Britain) Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

**CAS: 71-23-8 propan-1-ol (≥3–<10%)**

WEL (Great Britain) Short-term value: 625 mg/m<sup>3</sup>, 250 ppm  
Long-term value: 500 mg/m<sup>3</sup>, 200 ppm  
Sk

**CAS: 56-81-5 glycerol (≤2.5%)**

WEL (Great Britain) Long-term value: 10 mg/m<sup>3</sup>

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls**

No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.

· **Respiratory protection:**

Not required.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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· **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.4$  mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Butyl rubber, BR

Nitrile rubber, NBR

· **Eye/face protection**



Tightly sealed goggles

· **Body protection:**

Solvent resistant protective clothing

Protective work clothing

**9 Physical and chemical properties**

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

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Colourless

· **Odour:**

Alcohol-like

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

>70 °C

· **Flammability**

Flammable.

· **Lower and upper explosion limit**

· **Lower:**

3.5 Vol %

· **Upper:**

15 Vol %

· **Flash point:**

23 - 60 °C (Abel-Pensky)

· **Auto-ignition temperature:**

360 °C

· **Decomposition temperature (SADT):**

Not determined.

· **pH at 20 °C**

3.8

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **Dynamic:**

Not determined.

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- **Solubility**
- **water:** Fully miscible.
- **Partition coefficient n-octanol/water (log value)** Not determined.
- **Vapour pressure at 20 °C:** 59 hPa
- **Density and/or relative density**
- **Density at 20 °C:** 0.867 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density** Not determined.
  
- **9.2 Other information**
- **Appearance:**
- **Form:** Fluid
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
  
- **Solvent content:**
- **Organic solvents:** 73.0 %
- **Change in condition**
- **Evaporation rate** Not determined.
  
- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Flammable liquid and vapour.
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

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**10 Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

\* **11 Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Oral	LD50	23,375 mg/kg (rat)
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· **Serious eye damage/irritation** Causes serious eye irritation.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

\* **12 Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** Easily biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

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- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** *Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
The surfactants ingredients of the product are biodegradable according to the requirements of regulation 648/2004/EC.*

**13 Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation** *Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packaging:**
- **Recommendation:** *Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.*
- **Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

**14 Transport information**

- **14.2 UN proper shipping name**
- **ADR** *UN1987 ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), n-PROPANOL (PROPYL ALCOHOL, NORMAL))*
- **IMDG** *ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), n-PROPANOL (PROPYL ALCOHOL, NORMAL))*
- **IATA** *ALCOHOLS, N.O.S. (ETHANOL, n-PROPANOL (PROPYL ALCOHOL, NORMAL))*
- **Class** *3 Flammable liquids.*
- **Label** *3*
- **ADR, IMDG, IATA** *III*
- **14.5 Environmental hazards:**
- **Marine pollutant:** *No*
- **14.6 Special precautions for user** *Warning: Flammable liquids.*
- **Hazard identification number (Kemler code):** *30*
- **EMS Number:** *F-E,S-E*
- **Stowage Category** *B*
- **14.7 Maritime transport in bulk according to IMO instruments** *Not applicable.*

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- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml
- **Transport category** 3
- **Tunnel restriction code** D/E
- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":** UN 1987 ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), N-PROPANOL (PROPYL ALCOHOL, NORMAL)), 3, III

**15 Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

None of the ingredients is listed.

· **Labelling according to**

**Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**



GHS02 GHS07

· **Signal word**

Warning

· **Hazard-determining**

**components of labelling:**

propan-1-ol

· **Hazard statements**

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

· **Precautionary statements**

P210

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

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P233 *Keep container tightly closed.*  
P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
P337+P313 *If eye irritation persists: Get medical advice/attention.*  
P403+P235 *Store in a well-ventilated place. Keep cool.*

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I**
- **Seveso category**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements**
- **Qualifying quantity (tonnes) for the application of upper-tier requirements**

None of the ingredients is listed.  
P5c FLAMMABLE LIQUIDS

5,000 t

50,000 t

- **National regulations:**
- **Information about limitation of use:**

Class	Share in %
NK	100

- **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases** *H225 Highly flammable liquid and vapour.  
H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.*
- **Contact:** *Wim Lampaert  
MSc Chemistry*
- **Abbreviations and acronyms:** *ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)*

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*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*ATE: Acute toxicity estimate values*

*Flam. Liq. 2: Flammable liquids – Category 2*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

**\* Data compared to the  
previous version altered.**