# Safety data sheet

**according to Regulation (EC) No 1907/2006, Article 31**

Printing date 10.10.2024 Version number 2.0 (replaces version 1.0) Revision: 26.07.2023

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

· **1.1 Product identifier**

· **Trade name:** SHAGCLEAN
· **UFI:** CSXN-M0D8-553X-80HU
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Industrial. For professional use only
· **Application of the substance / the mixture** Tissue softener/ Softener

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Hexis S.A.S
Z.I. Horizons Sud
F-34110 Frontignan
FRANCE
Tél : +33 4 67 18 66 80
Fax : +33 4 67 48 38 79
FDS@hexis.fr

· **Further information obtainable from:** Product safety department
· **1.4 Emergency telephone number:**
HEXIS telephone switchboard: +33 4 67 18 66 80
From Monday to Friday. From 8:30AM to 5:30PM. (UTC +1:00) .
Austria
Vergiftungsinformationszentrale Stubenring 6 1010 Vienna
+43 1 406 43 43

Belgium
Centre Anti-Poisons/Antigifcentrum c/o Hôpital Militaire Reine Astrid Rue Bruyn 1 1120 Brussels
+32 70 245 245
Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)

Bulgaria
Национален токсикологичен информационен център Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов" бул. Ген. Едуард И. Тотлебен 21 1606 Sofia
+359 2 9154 233
The phone is active 24/7 and calls to it are free

Croatia
Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada Ksaverska Cesta 2 p.p. 291 10000 Zagreb
+385 1 234 8342 Information available 24/7 in Croatian and English

Cyprus
Κέντρου Δηλητηριάσεων Τμήμα Επιθεώρησης Εργασίας P.O. Box 24855 Nicosia
1401 Operating hours 24 hours / 24 hours, 7 days a week

Czech Republic
Toxikologické informační středisko Klinika pracovního lékařství VFN a 1. LF UK Na Bojišti 1 120 00 Prague
+420 224 919 293 or +420 224 915 402 and only in the event of a malfunction, phone 725 103 658 (otherwise there may not be a toxicologist on this phone!) Questions about ACUTE INTOXICATION of people and animals are dealt with exclusively on TIS direct telephone lines 24 hours a day

Denmark
Giftlinjen Bispebjerg Hospital Bispebjerg Bakke 23E Opgang 20 C 2400 Copenhagen
+45 82 12 12 12

Estonia
Mürgistusteabekeskus Terviseamet Paldiski mnt 81
10614 16662 or +372 7943 794
Calling the hotline is anonymous and at the cost of a local call.

Finland
Myrkytystietokeskus Stenbäckinkatu 9 PO BOX 100 00029 Helsinki
+358 800 147 111 or +358 9 471 977
Open 24 hours a day 0800 147 111 (free of charge) 09 471 977 (normal rate call)

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Germany
Giftnotruf der Charité - Universitätsmedizin Berlin CBF, Haus VIII (Wirtschaftgebäude), UG Hindenburgdamm 30 12203
+49 (0) 30 19240
Informationszentrale gegen Vergiftungen Klinik und Poliklinik für Allgemeine Pädiatrie, Zentrum für Kinderheilkunde, Universitätsklinikum Bonn Gebäude 30, ELKI (Eltern-Kind-Zentrum) Venusberg-Campus 1 53127 Bonn
+49 (0) 228 19240
Giftnotruf Erfurt Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen, c/o HELIOS Klinikum Erfurt Nordhäuser Straße 74 99089
+49 (0) 361 730 730
Vergiftungs-Informations-Zentrale Universitätsklinikum Freiburg, Zentrum für Kinder- und Jugendmedizin Breisacher Str. 86b 79110
+49 (0) 761 19240
Giftinformationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZ-Nord) Universitätsmedizin Göttingen - Georg-August-Universität Robert-Koch Straße 40 37075
+49 (0) 551 19240
Giftinformationszentrum der Länder Rheinland-Pfalz und Hessen Klinische Toxikologie, Universitätsmedizin der Johannes Gutenberg-Universität Mainz Langenbeckstraße 1 Gebäude 601 55131 Mainz
+49 (0) 6131 19240
Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik rechts der Isar der Technischen Universität München Ismaninger Straße 22 81675 Munich
+49 (0) 89 19240

Greece
Poisons Information Centre Children’s Hospital P&A Kyriakou 11762
+30 21 07 79 37 77

Hungary
Nemzeti Népegészségügyi Központ Egészségügyi Toxikológiai Tájékoztató Szolgálat Albert Flórián út 2-6 1097
+36 80 20 11 99 or +36 1 476 6464
Emergency number 1: (0-24 hours, free of charge - only from Hungary) Emergency number 2: (0-24 hours, can be called for a normal fee - also from abroad)

Ireland
National Poisons Information Centre Beaumont Hospital PO Box 1297 Beaumont Road 9 Dublin
+353 1 809 2566 (Healthcare professionals-24/7) or +353 1 809 2166 (public, 8am - 10pm, 7/7)

Italy
Centro Antiveleni di Bergamo Azienda Ospedaliera Papa Giovanni XXII Piazza OMS - Organizzazione Mondiale della Sanità, 1 24127 Bergamo
800 88 33 00
Centro Antiveleni di Firenze Az. Osp. "Careggi" U.O. Tossicologia Medica, S.O.D. di Tossicologia Clinicaicologia Clinica Largo Brambilla, 3 50134 Florence
055 794 7819
Centro Antiveleni di Milano Ospedale Niguarda Ca' Granda Piazza Ospedale Maggiore 3 20162 Milan
02 6610 1029
Centro Antiveleni di Pavia CAV Centro Nazionale di Informazione Tossicologica, Istituti Clinici Scientifici Maugeri Spa Via Salvatore Maugeri, 10 27100 Pavia
03 822 4444
Centro Antiveleni di Roma CAV Policlinico "A. Gemelli", Dipartimento di Tossicologia Clinica Universita Cattolica del Sacro Cuore Largo Agostino Gemelli, 8 00168 Rome
06 305 4343
Centro Antiveleni di Roma CAV Policlinico "Umberto I", Università di Roma Viale del Policlinico, 155 00161 Rome
06 4997 8000
Centro Antiveleni di Roma CAV “Osp. Pediatrico Bambino Gesù” Dip. Emergenza e Accettazione DEA Piazza Sant’Onofrio, 4 00165 Rome
06 6859 3726
Centro Antiveleni di Foggia Az. Osp. Univ. Foggia V.le Luigi Pinto, 1 71122 Foggia
800 183 459

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Centro Antiveleni di Napoli Az. Osp. "A. Cardarelli" Via A. Cardarelli, 9 80131 Naples
081 54 53 333
Centro Antiveleni di Verona Azienda Ospedaliera Integrata Verona Piazzale Aristide Stefani, 1 37126 Verona
800 011 858

Latvia
Valsts ugunsdzēsības un glābšanas dienests Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs Hipokrāta 2 1038 Riga 112
+371 67 04 24 73 works 24 hours a day

Lithuania
Apsinuodijimų informacijos biuras Šiltnamių g. 29 04130 Vilnius
+370 (5) 236 20 52

Luxembourg
Centre Anti-Poisons/Antigifcentrum c/o Hôpital Militaire Reine Astrid Rue Bruyn 1 1120 Brussels
+352 8002 5500
Free telephone number with a 24/7 access. Experts answer all urgency questions on dangerous products in French, Dutch and English

Malta
Medicines & Poisons Info Office Mater Dei Hospital Msida MSD 2090 Msida
112 or +356 2545 6508

Netherlands
Nationaal Vergiftigingen Informatie Centrum (NVIC) Huispostnummer Q03.2.315 Postbus 85500 3508 GA Utrecht
+31 88 755 80 00
Only for the purpose of informing medical personnel in cases of acute intoxications (24 hours a day, 7 days a week)

Norway
Giftinformasjonen Folkehelseinstituttet Postboks 222 Skøyen 0213 Oslo
+47 22 59 13 00 Operating hours 24 hours / 24 hours, 7 days a week

Poland
Pomorskie Centrum Toksykologii Ul. Kartuska 4/6 80-104 Gdańsk
+48 58 682 04 04 or +48 512 069 737
Pracownia Informacji Toksykologicznej i Analiz Laboratoryjnych Uniwersytetu Jagiellońskiego - Collegium Medicum ul. Jakubowskiego 2 IV-piętro, pok. 48, Oddział Toksykologii 31-501 Kraków
+48 12 411 99 99
Instytut Medycyny Pracy imienia prof. dra med. Jerzego Nofera ul. św. Teresy od Dzieciątka Jezus 8 91-348 Łódź
+48 42 631 45 02 or +48 42 655 25 05
Acute Poisonings Unit Jan Bozy Regional Hospital Biernackiego 9 20089 Lublin
+48 81 740 2675 or +48 81 740 2676
Oddzial Chorób Zawodowych i Toksykologii Szpital Miejski im. Franciszka Raszei Mickiewicza 2 60 834 Poznan
+48 61 84 769 46
Intensive Care Unit and Centre for Acute Poisonings Regional Hospital No 2 Lwówska 60 35301
+48 17 86 64 000 or +48 17 86 64 404
Oddział Toksykologii z Ośrodkiem Ostrych Zatruć Wojewódzki Szpital Specjalistyczny nr 5, im. św. Barbary w Sosnowcu Centrum urazowe Plac Medyków 1 41-200 Sosnowiec
+48 32 368 21 16 or +48 538 81 99 61
Szpital Praski p.w. Przemienienia Pańskiego Sp. z o.o. Aleja Solidarności 67 03-401 Warsaw
+48 22 619 66 54 or +48 22 619 08 97
Oddział toksykologii i chorób wewnętrznych Dolnośląski Szpital Specjalistyczny im. T. Marciniaka, Centrum Medycyny Ratunkowej ul. Gen. Augusta Emila Fieldorfa 2 54-049 Wrocław
+48 71 306 48 41 or +48 71 306 48 42

Portugal
Centro de Informação Antivenenos Instituto Nacional de Emergência Médica Rua Almirante Barroso, 36 1000-013 Lisbon

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+351 800 250 250

Romania
TOXAPEL Spitalul Clinic de Urgenta pentru Copii „Grigore Alexandrescu" Boulevardul Iancu de Hunedoara 30-32 Bucharest
+40 2121 06282 or +40 2121 06183
Spitalul Clinic de Urgenta Bucuresti Secţia Clinică ATI II - Toxicologie Clinică Calea Floreasca nr. 8 sector 1 Bucharest
+40 21 599 23 00 (information provided in Romanian and English)
Biroul pentru Regulamentul Sanitar International si Informare Toxicologica Str. Dr. Leonte Anastasievici Nr.1-3, Sector 5 50463 Bucharest
+40 21 318 36 06 (8 - 15 ore)

Slovakia
Národné toxikologické informačné centrum Univerzitná nemocnica Bratislava, pracovisko Kramáre, Klinika pracovného lekárstva a toxikológie Limbová 5 833 05 Bratislava
+421 2 54 77 41 66 ore +421 911 166 066

Slovenia
Center za klinično toksikologijo in farmakologijo Univerzitetni klinični, Center ljubljana Zaloška 7 1000 Ljubljana
112

Spain
Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Madrid C/José Echegaray nº4 28232 Las Rozas de Madrid
+34 91 562 04 20 or +34 91 411 26 76 (teléfono solo para médicos)
(Toxicological emergencies only). Information in Spanish (24/7)

Sweden
Giftinformationscentralen Solna Strandväg 21 171 54 Solna 112 – begär Giftinformation

Switzerland
Tox Info Suisse Freiestrasse 16 8032 Zürich 145
+41 44 251 51 51 (from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66

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## SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

· **2.2 Label elements**

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

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· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:**
propan-2-ol
· **Hazard statements**
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
· **Precautionary statements**

| | |
|---|---|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P241 | Use explosion-proof [electrical/ventilating/lighting] equipment. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture

· **Dangerous components:**

| | | |
|---|---|---|
| CAS: 67-63-0<br>EINECS: 200-661-7<br>Index number: 603-117-00-0 | propan-2-ol<br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | 10-25% |
| CAS: 111-76-2<br>EINECS: 203-905-0<br>Index number: 603-014-00-0 | 2-butoxyethanol<br>Acute Tox. 3, H311; Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319<br>ATE: LD50 oral: 1,200 mg/kg | 2.5-10% |

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

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## SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
If skin irritation appears, wash immediately with water and soap then rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Clean the mouth with water. Do not induce vomiting unless directions from medical personnel. Seek medical attention if symptoms develop.

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· **4.2 Most important symptoms and effects, both acute and delayed**
May cause drowsiness or dizziness.
Causes severe eye irritation.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
· **5.3 Advice for firefighters**
· **Protective equipment:** Wear self-contained respiratory protective device.

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Dilute with plenty of 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.

## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Use only in well-ventilated areas.
· **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 away from heat and sources of ignition. Do not store in direct sunlight. Recommended storage at 50% of relative humidity.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep container tightly sealed.
· **7.3 Specific end use(s)** No further relevant information available.



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## SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

| · **Ingredients with limit values that require monitoring at the workplace:** | |
|---|---|
| **111-76-2 2-butoxyethanol** | |
| IOELV | Short-term value: 246 mg/m³, 50 ppm<br>Long-term value: 98 mg/m³, 20 ppm<br>Skin |

· **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.
Do not eat, drink, smoke or sniff while working.
· **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
· **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
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.
· **Eye/face protection**



Tightly sealed goggles

· **Body protection:** Protective work clothing

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## SECTION 9: Physical and chemical properties

| · **9.1 Information on basic physical and chemical properties** | |
|---|---|
| · **General Information** | |
| · **Physical state** | Liquid |
| · **Colour:** | Green |
| · **Odour:** | Like alcohol |
| · **Odour threshold:** | Not determined. |

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| | |
|---|---|
| · **Melting point/freezing point:** | >-10 °C |
| · **Boiling point or initial boiling point and boiling range** | ≥82 °C (67-63-0 propan-2-ol) |
| · **Flammability** | Flammable. |
| · **Lower and upper explosion limit** | |
| · **Lower:** | ≥2 Vol % (67-63-0 propan-2-ol) |
| · **Upper:** | ≤12 Vol % (67-63-0 propan-2-ol) |
| · **Flash point:** | ≥35 °C |
| · **Auto-ignition temperature:** | ≥240 °C (111-76-2 2-butoxyethanol) |
| · **Decomposition temperature:** | Not determined. |
| · **pH at 20 °C** | 6.5 |
| · **Viscosity:** | |
| · **Kinematic viscosity** | Not determined. |
| · **Dynamic:** | Not determined. |
| · **Solubility** | |
| · **water:** | Fully miscible. |
| · **Partition coefficient n-octanol/water (log value)** | Not determined. |
| · **Vapour pressure at 20 °C:** | ≤43 hPa (67-63-0 propan-2-ol) |
| · **Density and/or relative density** | |
| · **Density at 20 °C:** | ≥0.289-≤2.289 g/cm³ |
| · **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 self-igniting. |
| · **Explosive properties:** | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| · **Solvent content:** | |
| · **Organic solvents:** | 12.5-35 % |
| · **Solids content:** | 65-87.5 % |
| · **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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## SECTION 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** No dangerous reactions known.
· **10.4 Conditions to avoid** Sparks, open flame. Overheating.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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## SECTION 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 | 12,012-48,000 mg/kg (ATE) |
| Dermal | LD50 | 4,004-16,000 mg/kg (rab) |

| **67-63-0 propan-2-ol** | | |
|---|---|---|
| Oral | LD50 | 5,045 mg/kg (rat) |
| Dermal | LD50 | 12,800 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 30 mg/l (rat) |
| **111-76-2 2-butoxyethanol** | | |
| Oral | LD50 | 1,200 mg/kg (ATE) |
| | | 1,480 mg/kg (rat) |
| Dermal | LD50 | 400 mg/kg (rab) |

· **Primary irritant effect:**
· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation** Causes serious eye irritation.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** May cause drowsiness or dizziness.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **11.2 Information on other hazards**

| · **Endocrine disrupting properties** |
|---|
| None of the ingredients is listed. |

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## SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **12.2 Persistence and degradability** No further relevant information available.
· **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**
· **Other 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.

*

## SECTION 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.

| · **European waste catalogue** | |
|---|---|
| 15 01 01 | paper and cardboard packaging |
| 15 01 02 | plastic packaging |

· **Uncleaned packaging:**
· **Recommendation:**
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.

*

## SECTION 14: Transport information

| | |
|---|---|
| · **14.1 UN number or ID number** | |
| · **ADR, IMDG, IATA** | UN1993 |
| · **14.2 UN proper shipping name** | |
| · **ADR** | 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)) |
| · **IMDG, IATA** | FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)) |
| · **14.3 Transport hazard class(es)** | |
| · **ADR** |  |
| · **Class** | 3 (F1) Flammable liquids. |
| · **Label** | 3 |
| · **IMDG, IATA** |  |
| · **Class** | 3 Flammable liquids. |
| · **Label** | 3 |
| · **14.4 Packing group** | |
| · **ADR, IMDG, IATA** | III |
| · **14.5 Environmental hazards:** | Not applicable. |
| · **14.6 Special precautions for user** | Warning: Flammable liquids. |
| · **Hazard identification number (Kemler code):** | 30 |
| · **EMS Number:** | F-E,S-E |

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# Safety data sheet
**according to Regulation (EC) No 1907/2006, Article 31**

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| | |
|---|---|
| · **Stowage Category** | A |
| · **14.7 Maritime transport in bulk according to IMO instruments** | Not applicable. |
| · **Transport/Additional information:** | |
| · **ADR** | |
| · **Limited quantities (LQ)** | 5L |
| · **Excepted quantities (EQ)** | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · **Transport category** | 3 |
| · **Tunnel restriction code** | D/E |
| · **IMDG** | |
| · **Limited quantities (LQ)** | 5L |
| · **Excepted quantities (EQ)** | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · **UN "Model Regulation":** | UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, III |

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## SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:**
propan-2-ol
· **Hazard statements**
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
· **Precautionary statements**

| | |
|---|---|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P241 | Use explosion-proof [electrical/ventilating/lighting] equipment. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** P5c FLAMMABLE LIQUIDS
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

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# Safety data sheet
**according to Regulation (EC) No 1907/2006, Article 31**

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· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 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.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.

· **Department issuing SDS:** Product safety department
· **Contact:** Département Qualité Sécurité Environnement
· **Date of previous version:** 27.01.2020
· **Version number of previous version:** 1.0
· **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)
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
Acute Tox. 3: Acute toxicity – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
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.**