# SAFETY DATA SHEET
according to the Globally Harmonized System

# Cutasept feet

| Version | Revision Date: | SDS Number: | Date of last issue: 13.02.2023 |
|---|---|---|---|
| 1.12 | 04.04.2024 | R11264 | Date of first issue: 09.04.2014 |

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer or supplier's details**

| | | |
|---|---|---|
| Manufacturer | : | BODE Chemie GmbH<br>Melanchthonstraße 27<br>22525 Hamburg (Germany)<br>Tel.: +49 (0)40 / 54 00 60 |
| Supplier | : | Paul Hartmann AG<br>Paul-Hartmann-Str. 12<br>89522 Heidenheim<br>Deutschland<br>Tel.: +49 (0)7321 / 36 - 0 |
| Responsible Department | : | Scientific Affairs<br>sds@bode-chemie.de |
| Emergency telephone number | : | Poison Center Göttingen<br>24h-Phone +49 (0)551 / 1 92 40 |

**Recommended use of the chemical and restrictions on use**

| | | |
|---|---|---|
| Recommended use | : | For further information, refer to the product technical data sheet. |
| Restrictions on use | : | Cosmetics |

## 2. HAZARDS IDENTIFICATION

**GHS Classification**

| | | |
|---|---|---|
| Flammable liquids | : | Category 2 |
| Serious eye damage/eye irritation | : | Category 2A |
| Specific target organ toxicity - single exposure | : | Category 3 |

**GHS label elements**

Hazard pictograms :

Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
H320 Causes eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements : P102 Keep out of reach of children.

**Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

**Response:**

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.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification**

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

| Chemical name | CAS-No. | Concentration (% w/w) |
|---|---|---|
| Propan-2-ol | 67-63-0 | >= 50 - < 70 |
| alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16)) | 68424-85-1 | >= 0,0025 - < 0,025 |

### 4. FIRST AID MEASURES

General advice : If you feel unwell, seek medical advice (show the label where possible).

If inhaled : If breathed in, move person into fresh air.

In case of skin contact : No skin irritation

In case of eye contact : Immediately flush eye(s) with plenty of water.

If swallowed : Rinse mouth.
Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed : Causes serious eye irritation.
May cause drowsiness or dizziness.

Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

### 5. FIREFIGHTING MEASURES

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

Specific hazards during firefighting : Cool closed containers exposed to fire with water spray.

Hazardous combustion products : No hazardous combustion products are known

Specific extinguishing methods : Standard procedure for chemical fires.

Special protective equipment for firefighters : Use personal protective equipment.
In the event of fire, wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Ensure adequate ventilation.<br>Remove all sources of ignition. |
| Environmental precautions | : | Should not be released into the environment. |
| Methods and materials for containment and cleaning up | : | Clean-up methods - small spillage<br>Wipe up with absorbent material (e.g. cloth, fleece).<br>Clean-up methods - large spillage<br>Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Keep in suitable, closed containers for disposal. |

## 7. HANDLING AND STORAGE

| | | |
|---|---|---|
| Advice on safe handling | : | Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep away from children. |
| Conditions for safe storage | : | Store at room temperature in the original container.<br>Keep tightly closed. |
| Materials to avoid | : | Keep away from food and drink. |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---|---|---|---|---|
| Propan-2-ol | 67-63-0 | TWA | 200 ppm | ACGIH |
| | | STEL | 400 ppm | ACGIH |

**Biological occupational exposure limits**

| Components | CAS-No. | Control parameters | Biological specimen | Sampling time | Permissible concentration | Basis |
|---|---|---|---|---|---|---|
| Propan-2-ol | 67-63-0 | Acetone | Urine | End of shift at end of workweek | 40 mg/l | ACGIH BEI |

**Personal protective equipment**

| | | |
|---|---|---|
| Respiratory protection | : | No personal respiratory protective equipment normally required. |
| Protective measures | : | No special protective equipment required. |
| Hygiene measures | : | Handle in accordance with good industrial hygiene and safety practice.<br>Do not get in eyes.<br>Ensure adequate ventilation, especially in confined areas. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|---|
| Appearance | : | liquid |
| Colour | : | colourless |
| Odour | : | pleasant |
| pH | : | not determined |
| Melting point/range | : | not determined |
| Boiling point/boiling range | : | > 80 °C |
| Flash point | : | 21 °C<br>Method: ISO 1516 |
| Flammability (solid, gas) | : | not auto-flammable |
| Vapour pressure | : | 16 kPa (50 °C) |
| Density | : | 0,876 g/cm3 (20 °C) |
| Solubility(ies)<br>Water solubility | : | completely miscible |

## 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Reactivity | : | No decomposition if stored and applied as directed. |
| Chemical stability | : | The product is chemically stable. |
| Possibility of hazardous reactions | : | None reasonably foreseeable. |
| Conditions to avoid | : | Heat<br>Strong sunlight for prolonged periods. |
| Incompatible materials | : | None. |
| Hazardous decomposition products | : | No decomposition if used as directed.<br>No hazardous decomposition products are known. |

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Not classified based on available information.

**Product:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 Oral(Rat): > 13.000 mg/kg<br>Method: Calculation method |

**Components:**

**Propan-2-ol (CAS: 67-63-0):**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 Oral (Rat): > 5.000 mg/kg |
| Acute dermal toxicity | : | LD50 Dermal (Rabbit): > 5.000 mg/kg |

**alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16)) (CAS: 68424-85-1):**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 Oral (Rat): 344 mg/kg |
| Acute dermal toxicity | : | LD50 Dermal (Rabbit): 3.340 mg/kg |

**Skin corrosion/irritation**

Not classified based on available information.

**Components:**

**Propan-2-ol (CAS: 67-63-0):**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Result | : | No skin irritation |

**alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16)) (CAS: 68424-85-1):**

| | | |
|---|---|---|
| Result | : | Corrosive after 3 minutes to 1 hour of exposure |

**Serious eye damage/eye irritation**

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Components:**

**Propan-2-ol (CAS: 67-63-0):**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Result | : | Eye irritation |

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Product:**

| | | |
|---|---|---|
| Species | : | Guinea pig |
| Method | : | OECD Test Guideline 406 |
| Result | : | Does not cause skin sensitisation. |

**Components:**

**Propan-2-ol (CAS: 67-63-0):**

| | | |
|---|---|---|
| Test Type | : | Buehler Test |
| Species | : | Guinea pig |
| Result | : | Did not cause sensitisation on laboratory animals. |

**alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16)) (CAS: 68424-85-1):**

| | | |
|---|---|---|
| Species | : | Guinea pig |
| Method | : | OECD Test Guideline 406 |
| Result | : | Does not cause skin sensitisation. |

**Germ cell mutagenicity**

Not classified based on available information.

**Components:**

**Propan-2-ol (CAS: 67-63-0):**

| | | |
|---|---|---|
| Genotoxicity in vitro | : | Test Type: Ames test<br>Metabolic activation: with and without metabolic activation<br>Result: negative |

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Repeated dose toxicity**

No data available

**Aspiration toxicity**

Not classified based on available information.

**Experience with human exposure**

No data available

**Experience with human exposure**

No data available

**Neurological effects**

No data available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Product:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Fish): > 100 mg/l<br>Exposure time: 96 h<br>Remarks: The data is estimated based on the component aquatic toxicity classification. |

**Components:**

**Propan-2-ol (CAS: 67-63-0):**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Pimephales promelas (fathead minnow)): 8.692 mg/l<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 2.285 mg/l<br>Exposure time: 48 h<br><br>NOEC (Daphnia magna (Water flea)): 141 mg/l<br>Exposure time: 16 d |
| Toxicity to algae/aquatic plants | : | EC50 ( Pseudokirchneriella subcapitata (green algae)): 10.500 mg/l |

Exposure time: 72 h

**alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16)) (CAS: 68424-85-1):**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Pimephales promelas (fathead minnow)): 0,28 mg/l<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 0,016 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202 |
| Toxicity to algae/aquatic plants | : | ErC50 ( Pseudokirchneriella subcapitata (microalgae)): 0,049 mg/l<br>Exposure time: 72 h<br>Test Type: Cell multiplication inhibition test<br>Method: OECD Test Guideline 201 |
| M-Factor (Acute aquatic toxicity) | : | 10 |
| Toxicity to fish (Chronic toxicity) | : | NOEC: 0,032 mg/l<br>Exposure time: 34 d<br>Species: Leuciscus idus (Golden orfe) |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 0,0042 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea) |
| M-Factor (Chronic aquatic toxicity) | : | 1 |

**Persistence and degradability**

**Components:**

**Propan-2-ol (CAS: 67-63-0):**

| | | |
|---|---|---|
| Biodegradability | : | Result: rapidly biodegradable |

**alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16)) (CAS: 68424-85-1):**

| | | |
|---|---|---|
| Biodegradability | : | Result: rapidly biodegradable |

**Bioaccumulative potential**

**Components:**

**Propan-2-ol (CAS: 67-63-0):**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | log Pow: 0,05 |

**alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16)) (CAS: 68424-85-1):**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | log Pow: 2,96 |

**Mobility in soil**

**Components:**

**Propan-2-ol (CAS: 67-63-0):**

| | | |
|---|---|---|
| Distribution among environmental compartments | : | Remarks: Mobile in soils |

**Other adverse effects**

No data available

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

| | | |
|---|---|---|
| Waste from residues | : | Dispose of as hazardous waste in compliance with local and national regulations.<br>Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. |
| Contaminated packaging | : | Empty remaining contents.<br>Store containers and offer for recycling of material when in accordance with the local regulations. |

## 14. TRANSPORT INFORMATION

**ADR**

| | | |
|---|---|---|
| UN number | : | UN 1219 |
| Proper shipping name | : | ISOPROPANOL, SOLUTION |
| Class | : | 3 |
| Packing group | : | II |
| Labels | : | 3 |
| Hazard Identification Number | : | 33 |
| Tunnel restriction code | : | (D/E) |
| Limited quantity (LQ) | : | 1,00 L |
| Environmentally hazardous | : | no |

**UNRTDG**

| | | |
|---|---|---|
| UN number | : | UN 1219 |
| Proper shipping name | : | ISOPROPANOL |
| Class | : | 3 |
| Packing group | : | II |
| Labels | : | 3 |
| Environmentally hazardous | : | no |

**IATA-DGR**

| | | |
|---|---|---|
| UN/ID No. | : | UN 1219 |
| Proper shipping name | : | Isopropanol |
| Class | : | 3 |
| Packing group | : | II |
| Labels | : | Flammable Liquids |
| Packing instruction (cargo aircraft) | : | 364 |
| Packing instruction (passenger aircraft) | : | 353 |

**IMDG-Code**

| | | |
|---|---|---|
| UN number | : | UN 1219 |
| Proper shipping name | : | ISOPROPANOL |
| Class | : | 3 |
| Packing group | : | II |
| Labels | : | 3 |
| EmS Code | : | F-E, S-D |
| Limited quantity (LQ) | : | 1,00 L |
| Marine pollutant | : | no |

**Transport in bulk according to IMO instruments**

Not applicable for product as supplied.

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 15. REGULATORY INFORMATION

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

**Other international regulations**

**The components of this product are reported in the following inventories:**

TSCA : For Cosmetic Use Only

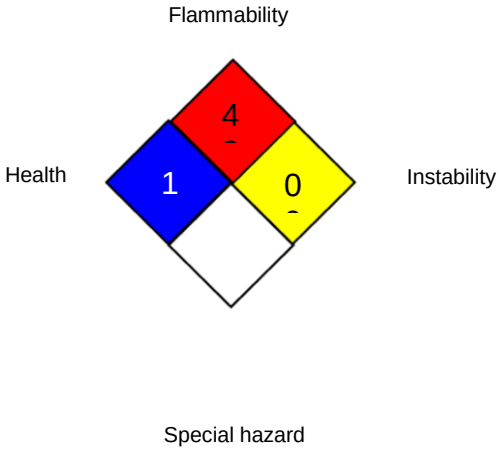
## 16. OTHER INFORMATION

Revision Date : 04.04.2024

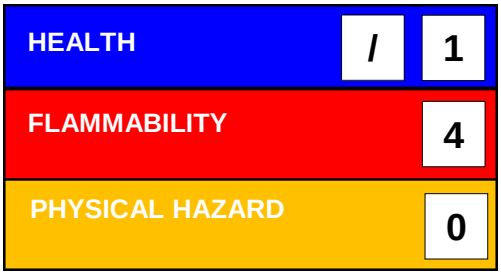
Date format : yyyy/mm/dd

**Further information**

**NFPA:**




**HMIS® IV:**




HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

ACGIH / TWA : 8-hour, time-weighted average
ACGIH / STEL : Short-term exposure limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS -

Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

TC / EN