# SAFETY DATA SHEET

Toko Express liquid

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

### 1.1. Product identifier

| | |
|---|---|
| *Trade name:* | Toko Express liquid |
| ▼*Other names / Synonyms:* | Express Mini Pocket 75ml (5509259)<br>Express Pocket 100ml (5509263)<br>Express Grip & Glide Pocket 100ml (5509265) |
| ▼*Product no.:* | 5509259, 5509263, 5509265 |
| ▼*Unique formula identifier (UFI):* | UFI (5509259): 8XJN-E0M6-362K-7EF9<br>UFI (5509263): YHKN-Y0EY-8621-UTHR<br>UFI (5509265): PKNN-400G-K62X-R0H9 |

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

| | |
|---|---|
| *Relevant identified uses of the substance or mixture:* | Waxes |
| *Uses advised against :* | None known. |

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

| | |
|---|---|
| *Company and address:* | **BRAV Switzerland AG**<br>Industriestrasse 4<br>9450 Altstätten<br>Switzerland<br>+41 71 757 73 73 |
| ▼*Distributor:* | **Solo Sports Brands Ltd**<br>Unit 2B, Toll BarSedbergh<br>LA10 5HA Cumbria<br>UK<br>sales@solosport.co.uk<br>Customer Service: keyaccount@brav.com<br>www.solosport.co.uk |
| *Revision:* | 25/10/2024 |
| *SDS Version:* | 2.0 |
| *Date of previous version:* | 18/01/2024 (1.0) |

### 1.4. ▼Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 112 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 “First aid measures”.

## SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### 2.1. Classification of the substance or mixture

Flam. Liq. 2; H225, Highly flammable liquid and vapour.
Eye Irrit. 2; H319, Causes serious eye irritation.
STOT SE 3; H336, May cause drowsiness or dizziness.

### 2.2. Label elements

*Hazard pictogram(s):*

*Signal word:* Danger

*Hazard statement(s):*
Highly flammable liquid and vapour. (H225)
Causes serious eye irritation. (H319)
May cause drowsiness or dizziness. (H336)

*Precautionary statement(s):*

*General:*
If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)

▼*Prevention:*
Avoid breathing mist/vapour. (P261)
Wash hands thoroughly after handling. (P264)
Wear protective gloves/protective clothing/eye protection/face protection. (P280)

▼*Response:*
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
If eye irritation persists: Get medical advice/attention. (P337+P313)

▼*Storage:*
Store in a well-ventilated place. Keep cool. (P403+P235)

*Disposal:*
Dispose of contents/container in accordance with local regulation (P501)

*Hazardous substances:*
propan-2-ol;isopropyl alcohol;isopropanol

▼*Additional labelling:*
UFI (5509259): 8XJN-E0M6-362K-7EF9
UFI (5509263): YHKN-Y0EY-8621-UTHR
UFI (5509265): PKNN-400G-K62X-R0H9

### 2.3. Other hazards

▼*Additional warnings:*
The material contains peroxide forming substances, which can form hazardous levels of peroxides e.g. during distillation, evaporation or extraction.
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances
Not applicable. This product is a mixture.

### 3.2. ▼Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|---|---|---|---|---|
| propan-2-ol;isopropyl alcohol;isopropanol | CAS No.: 67-63-0<br>EC No.: 200-661-7<br>UK-REACH:<br>Index No.: 603-117-00-0 | 80 - 95% | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 | |
| Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | CAS No.:<br>EC No.: 927-241-2<br>UK-REACH:<br>Index No.: | 5-10% | EUH066<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>Aquatic Chronic 3, H412 | [15] |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**▼Other information**
[15] The classification as a carcinogen / mutagen will not be taken into account as the substance contains less than 0,1 %

w/w benzene (EINECS No 200-753-7) (CLP, Annex VI, note P).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

| | |
|---|---|
| *General information:* | In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.<br>Contact a doctor if in doubt about the injured person's condition or if the symptoms persist.<br>Never give an unconscious person water or other drink. |
| *Inhalation:* | Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her. |
| *Skin contact:* | Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance. |
| *Eye contact:* | If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport. |
| *Ingestion:* | If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.<br>In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material. |
| *Burns:* | Rinse with water until pain stops then continue to rinse for 30 minutes. |

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Highly flammable liquid and vapour.
In use may form flammable/explosive vapour-air mixture.
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.
Hazchem Code: ●2YE

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapours from spilled material.
Contaminated areas may be slippery.

**6.2. Environmental precautions**
Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

**6.3. Methods and material for containment and cleaning up**
Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

**6.4. Reference to other sections**
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

**7.1. ▼Precautions for safe handling**
Ground and bond container and receiving equipment.
Use explosion-proof [electrical/lighting/ventilating] equipment.
Use non-sparking tools.
Take action to prevent static discharges.
The product should be tested for peroxides before distillation or evaporation and tested for peroxide formation or discarded after 1 year.
Peroxide formation may be present anywhere in the container, including the sides, bottom, exterior and threaded cap.
Peroxide formation in ppm concentrations may not be visually observable and must be identified through the use of appropriate testing procedures. If any of the following conditions exist, the material may be explosively unstable and will require stabilization prior to use:
1. Material appears to be degraded and or contaminated.
2. Material appears to be discolored.
3. Deterioration or distortion of storage container.
4. Thermal shock (sunlight).
5. Age of material exceeds recommended storage time.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

**7.2. Conditions for safe storage, including any incompatibilities**
Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Take action to prevent static discharges.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

| | |
|---|---|
| *Recommended storage material:* | Keep only in original packaging. |
| *Storage conditions:* | Dry, cool and well ventilated<br>Protect from sunlight. |
| *Incompatible materials:* | Combustible materials<br>Amines<br>Bases<br>acids<br>Strong oxidizing agents |

Peroxides
Alkali metals

**7.3. Specific end use(s)**
This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**
propan-2-ol;isopropyl alcohol;isopropanol
Long term exposure limit (8 hours) (ppm): 400
Long term exposure limit (8 hours) (mg/m³): 999
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m³): 1250

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

**▼DNEL**

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

| Duration: | Route of exposure: | DNEL: |
|---|---|---|
| Long term – Systemic effects - General population | Dermal | 46 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 77 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 185 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 871 mg/m³ |
| Long term – Systemic effects - General population | Oral | 46 mg/kg bw/day |

propan-2-ol;isopropyl alcohol;isopropanol

| Duration: | Route of exposure: | DNEL: |
|---|---|---|
| Long term – Systemic effects - General population | Dermal | 319 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 888 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 89 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 500 mg/m³ |
| Short term – Systemic effects - General population | Inhalation | 178 mg/m³ |
| Short term – Systemic effects - Workers | Inhalation | 1000 mg/m³ |
| Long term – Systemic effects - General population | Oral | 26 mg/kg bw/day |
| Short term – Systemic effects - General population | Oral | 51 mg/kg bw/day |

**PNEC**

propan-2-ol;isopropyl alcohol;isopropanol

| Route of exposure: | Duration of Exposure: | PNEC: |
|---|---|---|
| Freshwater | | 140.9 mg/L |
| Freshwater sediment | | 552 mg/kg |
| Intermittent release (freshwater) | | 140.9 mg/L |
| Marine water | | 140.9 mg/L |
| Marine water sediment | | 552 mg/kg |
| Predators | | 160 mg/kg |
| Sewage treatment plant | | 2.251 g/L |
| Soil | | 28 mg/kg |

**8.2. Exposure controls**
Compliance with the given occupational exposure limits values should be controlled on a regular basis.

*General recommendations:* Smoking, drinking and consumption of food is not allowed in the work area.

| | |
|---|---|
| *Exposure scenarios:* | There are no exposure scenarios implemented for this product. |
| *Exposure limits:* | Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above. |
| *Appropriate technical measures:* | The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours. |
| *Hygiene measures:* | In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face. |
| *Measures to avoid environmental exposure:* | No specific requirements. |

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

*Generally:* Use only UKCA marked protective equipment.

*Respiratory Equipment:*

| Work situation | Type | Class | Colour | Standards | |
|---|---|---|---|---|---|
| In case of inadequate ventilation | Combination filter A2P2 | Class 2 | Brown/White | EN14387 | |

*Skin protection:*

| Recommended | Type/Category | Standards | |
|---|---|---|---|
| Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester. | - | - | |

▼*Hand protection:*

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards | |
|---|---|---|---|---|
| Nitrile | 0.4 | > 480 | EN374-2, EN374-3, EN388 | |

▼*Eye protection:*

| Type | Standards | |
|---|---|---|
| Safety glasses with side shields. | EN ISO 16321-1 | |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| *Physical state:* | Liquid |
| *Colour:* | Clear |
| *Odour / Odour threshold:* | Alcohol odor |
| ▼*pH:* | No relevant or available data due to the nature of the product. |
| *Density (g/cm$^3$):* | 0.75 - 0.85 (20 °C) |
| ▼*Kinematic viscosity:* | No relevant or available data due to the nature of the product. |
| *Particle characteristics:* | Does not apply to liquids. |

**Phase changes**

| | |
|---|---|
| ▼*Melting point/Freezing* | No relevant or available data due to the nature of the product. |

| | |
|---|---|
| *point (°C):* | |
| *Softening point/range (°C):* | Does not apply to liquids. |
| *Boiling point (°C):* | 82 - 83 (DIN 53171, CAS-nr.: 67-63-0) |
| ▼*Vapour pressure:* | No relevant or available data due to the nature of the product. |
| ▼*Relative vapour density:* | No relevant or available data due to the nature of the product. |
| ▼*Decomposition temperature (°C):* | No relevant or available data due to the nature of the product. |

**Data on fire and explosion hazards**

| | |
|---|---|
| *Flash point (°C):* | 12 - 14 (Abel-Pensky, closed cup, CAS-nr.: 67-63-0) |
| *Flammability (°C):* | The material is ignitable. |
| ▼*Auto-ignition temperature (°C):* | No relevant or available data due to the nature of the product. |
| *Lower and upper explosion limit (% v/v):* | 2 - 12 |

**Solubility**

| | |
|---|---|
| *Solubility in water:* | Slightly soluble |
| ▼*n-octanol/water coefficient (LogKow):* | No relevant or available data due to the nature of the product. |
| ▼*Solubility in fat (g/L):* | No relevant or available data due to the nature of the product. |

**9.2. Other information**

| | |
|---|---|
| ▼*Oxidizing properties:* | No relevant or available data due to the nature of the product. |
| *Other physical and chemical parameters:* | VOC: 97% |

## SECTION 10: Stability and reactivity

**10.1. Reactivity**
No data available.

**10.2. Chemical stability**
The product is stable under the conditions, noted in section 7 “Handling and storage”.

**10.3. Possibility of hazardous reactions**
None known.

**10.4. Conditions to avoid**
Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.
Risk of formation of explosive peroxides when distilled, evaporated or otherwise concentrated.
Sunlight
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**10.5. Incompatible materials**
Combustible materials
Strong oxidizing agents
Amines
acids
Bases
Peroxides
Alkali metals

**10.6. ▼Hazardous decomposition products**
Under normal conditions of storage and use, hazardous decomposition products should not be produced

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law**

**Acute toxicity**

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Test method: | OECD 401 |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 5840 mg/kg |

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Test method: | OECD 402 |
| Species: | Rabbit |
| Route of exposure: | Dermal |
| Result: | 13900 mg/kg |

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Test method: | OECD 403 |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | > 10000 ppm |

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory sensitisation**

Based on available data, the classification criteria are not met.

**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

**Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure. Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

**Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

**Other information**

propan-2-ol;isopropyl alcohol;isopropanol has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. ▼Toxicity

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Species: | Fish, Pimephales promelas |
| Duration: | 48 hours |
| Test: | LC50 |
| Result: | 9640 mg/L |

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Species: | Daphnia, Daphnia magna |
| Duration: | 48 hours |
| Test: | EC50 |
| Result: | 10000 mg/L |

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Species: | Algae |
| Duration: | 7 days |
| Test: | EC50 |
| Result: | 1800 mg/L |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 203 |
| Species: | Fish, Oncorhynchus mykiss |
| Duration: | 96 hours |
| Test: | LL50 |
| Result: | > 10 < 30 mg/L |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Species: | Fish, Oncorhynchus mykiss |
| Duration: | 28 days |
| Test: | NOEC |
| Result: | 0.182 mg/L |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Species: | Daphnia, Daphnia magna |
| Duration: | 21 days |
| Test: | NOEC |
| Result: | 0.317 mg/L |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 202 |
| Species: | Daphnia, Daphnia magna |
| Duration: | 48 hours |
| Test: | EL50 |
| Result: | >22 < 46 mg/L |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 201 |
| Species: | Algae, Pseudokirchneriella subcapitata |
| Duration: | 72 hours |
| Test: | NOELR |
| Result: | <1 mg/L |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Species: | Algae, Pseudokirchneriella subcapitata |
| Test: | EL50 |
| Result: | >1000 mg/L |

**12.2. ▼Persistence and degradability**

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Result: | 53 % |
| Conclusion: | - |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Result: | 89 % |
| Conclusion: | Readily biodegradable |
| Test: | OECD 301 F |

**12.3.** **▼Bioaccumulative potential**

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| LogKow: | 0.05 |
| Conclusion: | No potential for bioaccumulation |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| LogKow: | 4 - 5.7 |
| Conclusion: | - |

**12.4.** **Mobility in soil**
No data available.

**12.5.** **Results of PBT and vPvB assessment**
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

**12.6.** **Endocrine disrupting properties**
This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

**12.7.** **Other adverse effects**
None known.

## SECTION 13: Disposal considerations

**Waste treatment methods**
Product is covered by the regulations on hazardous waste. (*)
To the extent the material has not been subject to regular tests of peroxide formation the waste shall be treated as explosive waste.
HP 3 - Flammable
HP 4 - Irritant (skin irritation and eye damage)
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

**EWC code**
07 07 04* Other organic solvents, washing liquids and mother liquors

**Specific labelling**

**Contaminated packing**
*EWC code:* 15 01 02 Plastic packaging

## SECTION 14: Transport information

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|---|---|---|---|---|---|---|
| ADR | UN1219 | ISOPROPANOL (ISOPROPYL ALCOHOL) | Transport hazard class: 3<br>Label: 3<br>Classification code: F1<br> | II | No | Limited quantities: 1 L<br>Tunnel restriction code: (D/E)<br>See below for additional information. |
| IMDG | UN1219 | ISOPROPANOL (ISOPROPYL ALCOHOL) | Transport hazard class: 3<br>Label: 3<br>Classification code: F1<br> | II | No | Limited quantities: 1 L<br>EmS: F-E S-D<br>See below for additional information. |

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|---|---|---|---|---|---|---|
| IATA | UN1219 | ISOPROPANOL (ISOPROPYL ALCOHOL) | Transport hazard class: 3<br>Label: 3<br>Classification code: F1<br> | II | No | See below for additional information. |

* Packing group

** Environmental hazards

**▼Additional information**

This product is within scope of the regulations of transport of dangerous goods.
ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.
Hazchem Code: ●2YE

**14.6. Special precautions for user**

Not applicable.

**14.7. Maritime transport in bulk according to IMO instruments**

No data available.

## SECTION 15: Regulatory information

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

| | |
|---|---|
| *Restrictions for application:* | People under the age of 18 shall not be exposed to this product.<br>Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered. |
| *Demands for specific education:* | No specific requirements. |
| *Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:* | P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes |
| *UK-REACH, Annex XVII:* | propan-2-ol;isopropyl alcohol;isopropanol is subject to UK-REACH restrictions (entry 40).<br>Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics is subject to UK-REACH restrictions (entry 40). |
| *Additional information:* | Tactile warning. |
| *Sources:* | The Health and Safety at Work etc. Act 1974 Regulations 2013.<br>Control of Major Accident Hazards (COMAH) Regulations 2015.<br>Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.<br>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.<br>Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law. |

**15.2. Chemical safety assessment**

No

## SECTION 16: Other information

**▼Full text of H-phrases as mentioned in section 3**

EUH066, Repeated exposure may cause skin dryness or cracking.
H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H304, May be fatal if swallowed and enters airways.
H319, Causes serious eye irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

**▼Abbreviations and acronyms**

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

**Additional information**

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the mixture in regard to physical hazards has been based on experimental data.

**The safety data sheet is validated by**

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**▼Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
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