

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

- 1. Brand name: Cleans uk De-Icer**
- 2. Application of the substance / the preparation:** To remove frost and ice from window
- 3. Manufacturer:** Cleaning Supplies UK Limited
Unit B Ground Floor Lower Westfield House
Broad Lane, Bramley, Leeds, LS13 3HA, UK England
Tel/Fax +441132558800
enquiries@leathercleaner.co.uk
- 4. Further information obtainable from:** Supplier - local operating company
- 5. Information in case of emergency:** Supplier - local operating company

2. HAZARDS IDENTIFICATION

- **Classification:**



Xi Irritant

- **Information concerning particular hazards for human and environment:**

R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.
R10 Flammable.

- **Classification system:** The classification complies with current EC regulations on dangerous substances and preparations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical characterization:** Water mixture of dangerous substances listed below and non-dangerous ingredients.
- **Dangerous components:**

Nr CAS/EINECS	Chemical name	Classification	Content
67-63-0 / 200-661-7	Propan-2-ol	F, R11; Xi; R36 ; R67	45,0%
9043-30-5 / polymer	Isotridecanol, ethoxylated	Xi, R36/38	0,5 %

- **Ingredients according to EC Detergents Regulation 648/2004**

non-ionic surfactants	< 5 %
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- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

- **General advice:** Show this safety data sheet or container/label to the doctor in attendance.
- **After inhalation:** Leave dangerous area. Remove to fresh air. Consult a physician after significant exposure or if effects persist.
- **After skin contact:** Take off contaminated clothing. Flush skin thoroughly with plenty of water.
- **After eye contact:** Rinse immediately with plenty of water for at least 15 minutes, holding the eyelids open. Remove contact lenses. Seek medical advice if effects persist.
- **After swallowing:** Rinse out mouth and then drink plenty of water. Do not induce vomiting. If symptoms persist or in case of swallowing large quantities of product, obtain medical attention.

5. FIRE FIGHTING MEASURES

- **Extinguishing agents:**
Recommended: CO₂, powders, alcohol resistant-foam or water spray.
Fight larger fires with water spray or alcohol resistant foam.
Not be used for safety reasons: none.
Use standard fire-fighting procedure for chemical fires. Use water spray to cool fire-exposed containers, if possible and safe remove from dangerous area.
- **Special hazards arising from the substance itself, combustion products, resulting gases:**
Flammable liquid. Vapours may form explosive mixtures with air.
In case of fire carbon oxides and unknown organic products may be produced / evolved. Do not inhale combustion products, can be harmful for health.
- **Protective equipment:** In case of large fires wear respiratory equipment independent from surrounding air.

6. ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:** In case of serious accident keep unauthorised persons away. Avoid contact with eyes. Avoid breathing vapour. Wear suitable personal protective equipment (see section 8). Ventilate area of leak or spill. Eliminate all sources of ignition. Do not smoke.
- **Measures for environmental protection:** Do not allow the product to enter drains or waterways. Stop or reduce leaks if it is possible and safe. In case of large spillages reduce spreading by making embankments. If large amounts of product enter drains or watercourses alert the relevant authorities.
- **Measures for cleaning/collecting:** Use water spray to dilute spill to a non-flammable mixture. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Contaminated surface flush with water. Follow current regulations and guidelines in section 13. Dispose of the material collected according to local regulations.

7. HANDLING & STORAGE

Handling

- **Information for safe handling:** Use common rules for working with chemicals. Avoid contact with eyes and skin. Ensure good ventilation when using this product. Keep container tightly closed when not in use. Do not mix with any other chemicals.
Smoking, eating and drinking should be prohibited in the application area.
- **Information about fire - and explosion protection:** Eliminate sources of ignition - do not use near naked flames, hot surfaces, no smoking. Do not use sparking equipment. Take measures to prevent the build up of electrostatic charge.

Storage

- **Requirements to be met by storerooms and receptacles:** Store only in the original, properly labelled, tightly closed containers in cool, good-ventilated place.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store away from the sources of heat and ignition. Protect containers from direct sunlight.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain substances for which are Community workplace exposure limits. The lists valid during the making were used as basis.
- **Additional information:**
Workplace exposure limits (according to EH40/2005)
Propan-2-ol [CAS 67-63-0]

Long-term exposure limits (8-hour TWA)	999 mg/m ³ ; 400 ppm
Short-term exposure limit (limit 15-min)	1250 mg/m ³ ; 500 ppm
- **Personal protective equipment:**
 - **General protective and hygienic measures:** The usual precautionary measures are to be adherent to when handling chemicals. Avoid breathing vapours/mist. Avoid direct contact with liquid. Do not wear contaminated clothing. No eating, drinking or smoking while working with this product. Wash hands after handling this material.
 - **Respiratory protection:** Personal protection is not normally required. If the exposure limit is exceeded or ventilation is not effective, wear an approved air-purifying respirator
 - **Protection of hands:** For prolonged contact, the use of gloves resistant to solvents. Recommended materials: neoprene or nitrile rubber. Penetration time of glove material: No data.
 - **Eye protection:** Safety glasses are not normally required. Chemical safety goggles use is recommended in those cases where handling the product involves a risk of splashing.

9. PHYSICAL & CHEMICAL PROPERTIES

1. General Information

Appearance: Clear colourless liquid

Odour: Characteristic

2. Important health, safety and environmental information

pH :	7.0 - 7.5	Explosive properties: Product is not explosive; vapours may form explosive mixtures with air.
Boiling point:	Not determined	
Flash point:	21 °C (MP, cc), support combustion	Vapour pressure: Not determined
Ignition temperature:	Not determined	Density at 20°C: 0.88 g/cm ³
Self-igniting:	Product is not self-igniting	Solubility in / Miscibility with water: Fully miscible in water
Explosion limits (propan-2-ol/air) lower / upper: 2 - 13 % (v/v)		Partition coefficient (n-octanol/water): Not determined

3. Other information: Not determined.

10. STABILITY & REACTIVITY

- **Conditions to be avoided:** Stable under normal conditions. Avoid sources of heat and ignition.
- **Materials to be avoided:** Not determined.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition product known.
- **Other information:** None.

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:**

LD/LC50 values relevant for classification:

- Product: Not determined.
- Components of the product:
 - Propan-2-ol LC₅₀ inhalation, rat 72,6 mg/l (4 h)
 - LD₅₀ oral, rat 4710 - 5500 mg/kg
 - LD₅₀ skin, rat 12800 mg/kg
 - Isotridecanol, ethoxylated No data

- **Irritant effect:**

- on the skin: Unlikely to be irritant in normal use.
- on the eye: Irritant.
- on the respiratory tract No irritation observed.

- **Sensitization:** No sensitizing effects known.

- **Carcinogenity, mutagenicity and toxicity for reproduction effects (CMR):** Not found.

- **Additional information:**

The product is classified as dangerous for human health according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12. ECOLOGICAL INFORMATION

- **Ecotoxicity**

- Product: Not determined.
- Components of the product:
 - Propan-2-ol fish LC₅₀(96 h) : 4200 – 9640 mg/l
 - daphnia EC₅₀(48 h) : 2285 mg/l
 - algae ICLo : 1000 – 1800 mg/l
 - Isotridecanol, ethoxylated No data

- **Persistence and degradability:** Not determined

The product is expected to be biodegradable.

Propan-2-ol : Readily biodegradable

Isotridecanol, ethoxylated :

Biodegradation > 80 % (82/242/EEC)

Ultimate aerobic biodegradation 64 % (Method C.4-E, Closed Bottle Test)

- **Mobility and bioaccumulation potential:** Not determined

Product miscible with water.

No bioaccumulation is expected.

- **Behaviour in sewage processing plants:** Not determined

- **PBT assessments:** Not applicable.

- **Additional information:**

The product is not classified as dangerous for environment according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

13. DISPOSAL CONSIDERATIONS

- **Product**

Recommendation: Dispose according to local authority regulations.

European waste catalogue	
07 06 04*	Other organic solvents, washing liquids and mother liquors

For small quantities, dilute with plenty of water and pour down a wastewater drain. For larger quantities contact a licensed waste management company.

- **Packaging:** Disposal must be made according to official regulations.
- **Recommended abstergent:** water.

14. TRANSPORT INFORMATION

RID/ADR

UN-Number : 1219
Description of the goods : ISOPROPANOL
Class : 3
Packaging group : II
Classification Code : F
Hazard identification No : 33
Label(s) : 3

IMDG Code:

UN-Number : 1219
Description of the goods : ISOPROPANOL
Class : 3
Packaging group : II
Labels : 3
EmS Number : F-E, S-D
Marine pollutant : no

ICAO/IATA :

UN-Number : 1219
Description of the goods : ISOPROPANOL
Class : 3
Packaging group : II
Label(s) : 3
Packing instruction
Cargo aircraft : 307
Passenger aircraft : 305, Y305

15. REGULATORY INFORMATION

- **Classification / Hazard symbol:**

Product classified as dangerous – **Xi**, according to the guidelines of the relevant EC Directives.

- **Labelling**

Symbol(s) and Indication(s) of Danger



(Xi) Irritant

Risk phrases :

- R10 Flammable.
- R36 Irritating to eyes.
- R67 Vapours may cause drowsiness and dizziness.

Safety phrases :

- S2 Keep out of the reach of children.
- S7 Keep container tightly closed.
- S16 Keep away from sources of ignition -No smoking.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S46 If swallowed, seek medical advice immediately and show container or label.

16. OTHER INFORMATION

- **Handle and apply only as recommended.**

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

- **Text of risk phrases associated with ingredients listed in section 3:**

- R11 Highly flammable
- R36 Irritating to eyes
- R36/38 Irritating to eyes and skin
- R67 Vapours may cause drowsiness and dizziness

- **Further information obtainable from:**

Cleaning Supplies UK Limited
Unit B Ground Floor Lower Westfield House
Broad Lane, Bramley, Leeds, LS13 3HA
Tel/Fax +441132558800
or supplier - local operating company.