



ProSolve® Sink Unblocker Spray (200ml)

Safety Data Sheet

According to Regulation (EU) No 1907/2006 (REACH), No 830/2015 and Regulation (EC)

No 1272/2008

Date Revised: 07/02/2023 / Version: 2.1

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

1.1. Product identifier

Trade Name: ProSolve Sink Unblocker Spray

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

Identified Uses: Unblockingsinks etc

1.3. Details of the supplier of the safety data sheet

Company Name: ProSolve

**Company Address: Sandall Stones Road, Kirk Sandall Industrial Estate, Doncaster, South Yorkshire,
DN3 1QR**

Tel: +44 (0) 1302 310 113

E-mail: enquiries@prosolveproducts.com

Web: www.prosolveproducts.com

EU Details:

PO Box: 107, 3150 AC, HOEK VAN HOLLAND

Phone: 003531 9120925

1.4. Emergency Telephone Number

National Health Service (NHS)

NHS England or Scotland: 111

NHS Wales: 0300 0604400

Northern Ireland: Call your local GP

For life-threatening emergencies, call 999 for an ambulance.

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 3,H226

Skin Corr. 1,H314

Eye Dam. 1,H318

Skin Sens. 1,H317

2.2. Label elements Hazard pictograms:

Hazard pictograms:



Signal word: Danger

Hazard statements:

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

Precautionary statements:

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P310 Immediately call a POISON CENTER/doctor/...

P391 Collect spillage.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.

2.3. Other hazards Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / Information On Ingredients

Description

A mixture of chemical and gases.

3.1. Substances N/A

3.2. Mixtures Description: Hazardous Ingredients

Chemical Name	Common name	CAS Number	EC Number	Classification according to Regulation (EC)No 1278/2008(CLP)	Concentration
DME	Dimethyl Ether	115-10-6	204-065-8	Not Classified	90%
(R)-pmentha-1,8-diene	D-limonene	5989-27-5	227-813-5	Flam. Liq. 3,H226;Skin Burns. 2,H314;Skin Sens. 1,H317;Eye Damage, 1, H318	10%

SECTION 4: First Aid Measures

4.1. Description of first aid measures

General information:

Medical attention is required. Consult a doctor. Show this safety data sheet (SDS) to the doctor in attendance.

Inhalation:

Fresh air, rest. Refer for medical attention.

Skin Problem:

ON FROSTBITE: rinse with plenty of water, do NOT remove clothes.

Eye:

Rinse with pure water for at least 15 minutes. Consult a doctor.

Ingestion:

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

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

Excerpt from ERG Guide 126 [Gases - Compressed or Liquefied (Including Refrigerant Gases)]: Vapours may cause dizziness or asphyxiation without warning. Vapours from liquefied gas are initially heavier than air and spread along ground. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Fire may produce irritating, corrosive and/or toxic gases. (ERG, 2016)

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

Immediate first aid: Ensure that adequate decontamination has been carried out. If patient is not breathing, start artificial respiration, preferably with a demand-valve resuscitator, bag-valve-mask device, or pocket mask, as trained. Perform CPR if necessary. Immediately flush contaminated eyes with gently flowing water. Do not induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Keep patient quiet and maintain normal body temperature. Obtain medical attention. Chlorinated fluorocarbons (CFCs) and related compounds.

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Suitable: Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture: Excerpt from ERG Guide 126 [Gases - Compressed or Liquefied (Including Refrigerant Gases)]: Some may burn but none ignite readily. Containers may explode when heated. Ruptured cylinders may rocket. (ERG, 2016)

5.3. Advice for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:

Avoid dust formation.

Avoid breathing mist, gas or vapours.

Avoid contacting with skin and eye.

Use personal protective equipment.

Wear chemical impermeable gloves.

Ensure adequate ventilation.

Remove all sources of ignition.

Evacuate personnel to safe areas.

Keep people away from and upwind of spill/leak.

6.2. Environmental protection measures

NEVER direct water jet on liquid.

Do NOT let this chemical enter the environment.

Personal protection: chemical protection suit including self-contained breathing apparatus.

6.3. Methods and material for containment and cleaning up

ACCIDENTAL RELEASE MEASURES: Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas; Environmental precautions: Do not let product enter drains; Methods and materials for containment and cleaning up: Ventilate the area.

6.4. Reference to other sections:

For disposal suggestions see section 13. For exposure controls / personal protection suggestions see section 8.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Advice on Safety Handling:

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

7.2. Conditions for safe storage, including any incompatibilities

Fireproof. Keep in a well-ventilated room. Keep container tightly closed in a dry and well-ventilated place. Contents under pressure.

7.3. Specific end use(s)

Recommendation(s) for intended use

See section 1.2

SECTION 8: Exposure Controls / Personal Protection

8.1. Control parameters

Ingredients with occupational exposure limits to be monitored

Component	Dimethyl ether			
CAS No.	1150-10-6			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m3	ppm	mg/m3
Australia	1000	1920		
Austria	1000	1920	-	-
Germany (AGS)	1000	1920	-	-
Germany (DFG)	1000	1920	-	-
New Zealand	1000			
Sweden	500	1920	-	-
Switzerland	1000	1920	-	-
United Kingdom	1000	1920	-	-
	Remarks			
Germany (AGS)	(1) 15 minutes average value			
Germany (DFG)	STV 15 minutes average value			
Sweden	(1) 15 minutes average value			

Component	D-limonene			
CAS No.	5989-27-5			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m3	ppm	mg/m3
Finland	25	140	50 (1)	280 (1)
Germany (AGS)	5	28	20 (1)	110 (1)
Germany (DFG)	5	28	20 (1)	112 (1)
Switzerland	7	40	14 (1)	80 (1)
	Remarks			
Finland	(1) 15 minutes average value			
Germany (AGS)	(1) 15 minutes average value			
Germany (DFG)	(1) 15 minutes average value			
Switzerland	(1) 15 minutes average value			

8.2. Exposure controls

Respiratory protection

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US)

Skin protection

Wear fire/flammable resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

Thermal hazards

no data available

Environmental exposure controls

See section 6.2.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state: Gas

Molecular mass: 46g/mol

Color: Colorless

Order: Ethereal.

Order threshold: No data available.

Relative evaporation rate: No data available.

Melting point: -141.5 °C

Freezing point: No data available.

Boiling point: Not applicable.

Critical temperature: 126.9 °C

Auto-ignition temperature: 350 °C

Decomposition temperature: No data available.

Flammability (solid, gas): 3.4-18

Vapor pressure: 510 kPa

Critical pressure: 5370 kPa.

Relative vapor density at 20 °C : No data available.

Relative density: 0.73

Density: 668.3 kg/m³ (at 20 °C)

Relative gas density: 1.6

Solubility: Water: No data available.

Partition coefficient n-octanol/water (Log Pow): 0.1

Partition coefficient n-octanol/water (Log Kow): Not applicable.

Viscosity, kinematic: Not applicable.

Viscosity, dynamic: Not applicable.

Explosive preproperties: Not applicable.

Oxidizing preproperties: None.

Explosion limit: No data available.

9.2. Other information

Gas group: press. Gas(Liq.)

Additional information: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.

SECTION 10: Stability and Reactivity

10.1. Reactivity: Decomposes on contact with hot surfaces or flames. This produces toxic and corrosive fumes.

10.2. Chemical stability: Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions: Dimethyl ether is chemically inert in many situations, but can react violently with strong reducing agents such as the very active metals and the active metals. Can react with strong oxidizing agents or weaker oxidizing agents under extremes of temperature.

10.4. Conditions to avoid: No data available

10.5. Incompatible materials: Incompatible materials: Strong oxidizing agents, Alkali metals

10.6. Hazardous decomposition products: When heated to decomposition it emits toxic vapours of fluoride.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Oral: pure CAS 115-10-6: LD50 Mouse 163754 ppm/1h

Inhalation: pure CAS 115-10-6: LC50 Rat inhalation 308.5 mg/4h

Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT-single exposure

no data available

STOT-repeated exposure

no data available

Aspiration hazard

no data available

SECTION 12: Ecological Information**12.1. Toxicity**

No ecological damage caused by this products.

12.2. Persistence and degradability:

Not readily biodegradable.

12.3. Bioaccumulative potential:

Partition coefficient n-octano/water (Log Pow): 0.1

Partiion coefficient n-octano/water (Log Kow): Not applicable.

12.4. Mobility in soil:

Mobility in soil: No data available.

Ecology - soil: Because of its high volatility, the products i unlikely to cause ground or water pollution.

12.5. Results of PBT and vPvB assessment: No information available.

12.6. Other adverse effects: No information available.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning.

Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

SECTION 14: Transport Information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number:	1950	1950	
14.2. UN proper shipping name:	AEROSOLS	AEROSOLS	AEROSOLS,
14.3. Transport hazard class(es):	2.2	2.2	2.2
14.4. Packing group:	II	II	II
14.5. Environmental hazards:	Yes	Yes	Yes

14.6. Special precautions for user

No information available

14.7. Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code:

Not applicable

SECTION 15: Additional Regulatory Information

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

Chemical Name	Common names and synonyms	CAS number	EC number
DME	Dimethyl Ether	115-110-6	204-065-8

European Inventory of Existing Commercial Chemical Substances (EINECS)			Not Listed
Chemical Name	Common names and synonyms	CAS number	EC number
(R)-p-mentha-1,8-diene	D-limonene	5989-27-5	227-813-5
European Inventory of Existing Commercial Chemical Substances (EINECS)			Not Listed

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other Information

Abbreviations and acronyms

CAS: Chemical Abstracts Service

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

TWA: Time Weighted Average

STEL: Short term exposure limit

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

EC50: Effective Concentration 50%

Key literature references and sources for data

IPCS - The International Chemical Safety Cards (ICSC), website:

<http://www.ilo.org/dyn/icsc/showcard.home>

HSDB - Hazardous Substances Data Bank, website:

<https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

IARC - International Agency for Research on Cancer, website: <http://www.iarc.fr/>

eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website:

http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en

CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>

ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>

ERG - Emergency Response Guidebook by U.S. Department of Transportation, website:

<http://www.phmsa.dot.gov/hazmat/library/erg>

Germany GESTIS-database on hazard substance, website:

<http://www.dguv.de/ifa/gestis/gestisstoffdatenbank/>

index-2.jsp

ECHA - European Chemicals Agency, website: <https://echa.europa.eu/>

Further information

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU- directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

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