



ProSolve™ Temporary Line Markers (750ml)

Safety Data Sheet

According to Regulation (EU) No 830/2015 and Regulation (EC) No 1272/2008

Date Revised: 04/09/2020 Version: 1.1

SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

ProSolve™ Hand and Surface Sanitiser Spray

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

1.1. Product identifier

Trade Name: ProSolve™ Hand and Surface Sanitiser Spray

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

Identified Uses: For sanitising

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:

Address: Portfolio House, Kilbarrack Parage, Dublin D05 TF86

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

Hazard classes and Hazard categories	Hazard Statements
Aerosol 1	H222

2.2. Label elements Hazard pictograms:

Hazard pictograms:



Signal word: Warning

Hazard statements:

H222 Extremely flammable liquid.

Precautionary statements:

P319 Causes serious eye irritation

P305 If it gets in eyes, rinse gently with water for several minutes. Remove contact lenses if present and safe to do so.

P501 Dispose of contents/container to hazardous or special waste collection point.

2.3. Other hazards Results of PBT and vPvB assessment:

None identified.

Information pertaining to special dangers for human and environment

None identified.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / Information On Ingredients

Description

A mixture of Ethanol, Water, Glycerin and Chlorhexidine Digluconate.

3.1. Substances N/A

3.2. Mixtures Description: Hazardous Ingredients

CAS No	EC No	Name	[% weight]
64-17-5	200-578-6	Ethanol	70-80%
7732-18-5	231-791-2	Water	20-35%
56-81-5		Glycerin	0.5-1.5
18472-51-0		Chlorhexidine Digluconate	1.5-3

Contains no known PBT's or vPvB's

SECTION 4: First Aid Measures

4.1. Description of first aid measures

General information:

Immediate medical attention is required. Show this data sheet to the medical services in attendance.

Inhalation:

Remove to fresh air, keep the patient warm and at rest.

If breathing is difficult give oxygen.

If breathing is irregular or stopped, administer artificial respiration.

Give nothing by mouth.

If unconscious, place in recovery position and seek medical advice.

Skin Problem:

Remove contaminated clothing immediately and wash affected skin with soap and water for at least 15 minutes. And get medical attention.

DO NOT use solvents or thinners as skin cleaning agents.

Eye:

Contact lenses should be removed. Promptly wash eyes with lots of water. Continue to rinse for at least 15 minutes and get medical attention.

Ingestion:

If swallowed, seek medical advice immediately and show this container or label.

Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed: No information available.

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Suitable: Recommended use: Alcohol resistant foam, carbon dioxide (CO₂), dry powder, water spray. Do not use water jet. Cool containers with spray water.

Unsuitable: There is no restriction.

5.2. Special hazards arising from the substance or mixture: Containers may explode when heated. May expand or decompose when heated or involved in fire.

5.3. Advice for fire-fighters: In the event of fire, wear self contained breathing apparatus.

Additional Information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:

Remove all sources of ignition.

Ensure adequate ventilation.

Take precautionary measures against static discharge.

Evacuate personnel to safe areas.

Avoid breathing vapours.

Refer to protective measures listed in sections 7 and 8.

Advice for emergency responders:

Use personal protective equipment

6.2. Environmental protection measures

Prevent further leakage or spilling if safe to do so.

Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

Remove all sources of ignition. Use spark proof tools and explosion proof equipment.

Absorb spilling materials in dry sand or insert absorbent material. In case of large amount of spillage, contain a spill by bundling.

Adhered or collected material should be promptly disposed of in accordance with appropriate laws and regulations.

6.4. Reference to other sections:

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Advice on Safety Handling:

Handling is performed in a well ventilated place.

Wear suitable personal protective equipment.

Avoid contact with skin and eyes.

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

General protective measures:

Use responsibly and in the correct manner.

Wear the appropriate personal protective equipment, as outlined in section 8.

Hygiene measures

Avoid contact with eyes.

Advice on protection against fire and explosion

None identified.

7.2. Conditions for safe storage, including any incompatibilities

Observe label precautions.

Keep containers tightly closed

Keep containers in a dry, cool and well-ventilated place.

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

Store away from incompatible materials and foodstuff containers.

Further information on storage conditions

None identified.

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

Occupational Exposure limit values

No relevant regulations.

Biological limit values

No relevant regulations.

Monitoring methods

EN14042 workplace atmospheres.

8.2. Engineering controls

Ensure adequate ventilation, especially in confined areas.

Ensure that eyewash stations and safety showers are close to the workstation location.

Use explosion-proof electrical/ventilating/lighting/equipment.

Respiratory protection

Not required

Hand protection

Not required

Eye protection

Not required

Other protection measures

Not required

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance: Gel

Odour: No irritating odour

Colour: Clear

pH (20°C): 6-8.5

Boiling Point: Not Applicable

Melting point / Freezing point: not determined

Flash point (Closed cup °C): 21

Vapourisation rate: 78.3

Flammable (solid): Flammable

Flammability (gas): Not determined

Ignition temperature: Not determined

Self ignition temperature: Not determined

Lower explosion limit: Not determined

Upper explosion limit: Not determined

Vapour pressure: Not determined

Relative density (Water = 1): 0.927

Vapour density (Air = 1): 1.59

Solubility in water: Insoluble in water

Solubility/other: Not determined

Partition coefficient n- octanol/water (log P O/W): Not determined

Decomposition temperature: Not determined

Viscosity dynamic: Not determined

Viscosity kinematic: Not determined

Oxidising properties: Not determined

No information available.

Explosive properties

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

9.2. Other information:

Volatile Organic Compound (VOC)

Not determined

SECTION 10: Stability and Reactivity

10.1. Reactivity: No

10.2. Chemical stability: No further relevant information available

10.3. Possibility of hazardous reactions: Possibility of hazardous reaction

10.4. Conditions to avoid: Keep away from heat. Formation of explosive gas/air mixtures.

10.5. Incompatible materials: Oxidant, strong acid, strong alkali.

10.6. Hazardous decomposition products: No further relevant information available

Thermal decomposition: No decomposition if used as directed.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Component	Cas No.	LD50 (oral)	LD50 (dermal)	LC50 (inhalation, 4h)
Ethanol	64-17-5	7060mg/kg (Rat)	7430mg/kg (Rabbit)	39mg/l (Rat)

Carcinogenicity

Component	Cas No.	IARC	NTP
Ethanol	64-17-5	Not Listed	Not Listed
Water	7732-18-5	Not Listed	Not Listed
Acrylic acid (ester)/C10-30 alkanol acrylate cross-linked polymer	-	Not Listed	Not Listed

Experiences made from practice

Often and long skin contact may cause degreasing and desiccation of the skin which may cause skin irritation. Irritates respiratory tract.

Irritates eyes and skin.

Additional information

The product is to be handled with the caution usual with chemicals. Other hazardous properties may not be excluded.

SECTION 12: Ecological Information

12.1. Toxicity

No information available.

12.2. Persistence and degradability: No information available.

12.3. Bioaccumulative potential: No information available.

12.4. Mobility in soil: No information available.

12.5. Results of PBT and vPvB assessment: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects: No known significant effects or critical hazards

Toxic to aquatic life with long lasting effects.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of according to the local waste regulations.

General information

For proper waste disposal a complete emptying of the tin is necessary.

SECTION 14: Transport Information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number:	1950	1950	
14.2. UN proper shipping name:	AEROSOLS	AEROSOLS (ZINC POWDER)	Aerosols, flammable
14.3. Transport hazard class(es):	2.1	2.1	2.1
14.4. Packing group:	-	-	-
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

Land and inland navigation transport ADR/RID

Hazard label(s) 2.1

Tunnel restriction code D

Classification code 5F

transport in "limited quantities" according to 3.4 ADR is possible

Marine transport IMDG

MARINE POLLUTANT

Transport as limited quantities according to 3.4 IMDG Code is possible.

Transport/further information

24h EMERGENCY CONTACT (TRANSPORT) +49(0)178 433 7434 (Consultank Lutz Harder GmbH)

SECTION 15: Additional Regulatory Information

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

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Chemicals (Hazard Information & Packaging) Regulations.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

Control of Substances Hazardous to Health.

The Aerosol Dispensers Regulations 2009

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

EU Legislation

Dangerous Preparations Directive 1999/45/EC.

Dangerous Substance Directive 67/548/EEC.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and

packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC)

No 1907/2006 with amendments.

The Aerosol Dispensers Directive 1975/324 EEC

15.2. Chemical Safety Assessment

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

SECTION 16: Other Information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed. For industrial use only.

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.

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H261	In contact with water releases flammable gases.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. Please note that due to the on-going change in regulation from CHIP to CLP, any MSDS information in this MSDS is only considered accurate at the time of its creation. During this time classifications of substances may change. Therefore it is possible that can art work and MSDS information may differ. As such if you have any concerns we recommend you request a new MSDS from us every 6-12 months.