



ProSolve™ Hand Sanitiser 1L (PVSAN1)

Safety Data Sheet

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

Revision Date: 11/08/2021 / Version: 1

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

1.1. Product identifier

Trade Name: ProSolve™ Hand Sanitiser 1L

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

Identified Uses: Alcohol Hand Gel

Usage: Rub into dry hands until the gel has dried completely.

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

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

Not Classified

Adverse physicochemical, human health and environmental effects:

No additional information available

2.2. Label elements Hazard pictograms:

Hazard pictograms:



GHS02

GHS07

Hazard statements: H224 – Extremely flammable liquid and vapour

Precautionary statements:

H319 – Causes serious eye irritation

H336 – May cause drowsiness or dizziness

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 – Keep container tightly closed

2.3. Other hazards

No additional information available

SECTION 3: Composition / Information On Ingredients

3.1. Substances N/A

3.2. Mixtures Description:

Name	Product identifier	%	Classification according to Regulation (EC) No.
ethanol, ethyl alcohol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5	≤ 75	Flam. Liq. 2, H225

2,2',2''-Nitrilotriethanol	(CAS No) 102-71-6 (EC no) 203-049-8 (REACH-no) 01-2119486482-31	0.06525 – 0.942	Not classified
2,2'-iminodiethanol; diethanolamine	(CAS No) 111-42-2 (EC no) 203-868-0 (EC index no) 603-071-00-1 (REACH-no) 01-2119488930-28	0.00585 – 0.15	Acute Tox. 4 (Oral), H302 STOT RE 2, H373 Skin Irrit. 2, H315 Eye Dam. 1, H318
Alcohols, C11-14-iso-, C13-rich, ethoxylated		0.00009 – 0.0588	Not classified
Cyclohexane	(CAS No) 110-82-7 (EC no) 203-806-2 (EC index no) 601-017-00-1	0.00009 – 0.0108	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
MONO PROPYLENE GLYCOL	(CAS No) 57-55-6 (EC no) 200-338-0 (REACH-no) 01-2119456809-23		Not classified

Full text of H-phrases: see section 16

SECTION 4: First Aid Measures

4.1. First-aid measures general

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact

- Rinse skin with water/shower.
- Remove/Take off immediately all contaminated clothing.

- Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries

Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media

Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard

Highly flammable liquid and vapour.

Explosion hazard

May form flammable/explosive vapour-air mixture.

5.3. Advice for fire-fighters

Firefighting instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental protection measures

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Additional hazards when processed

Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling

No naked lights. No smoking. Use only non-sparking tools. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.

Storage conditions

Keep in fireproof place. Keep container tightly closed. Keep only in the original container in a cool, well ventilated area. Keep container closed when not in use.

Incompatible products

Strong bases. Strong acids.

Incompatible materials

Heat sources. Sources of ignition. Direct sunlight.

7.3. Specific end uses:

No additional information available.

SECTION 8: Exposure Controls / Personal Protection

8.1. Control parameters

Occupational exposure limits

MONO PROPYLENE GLYCOL (57-55-6)

EU - Occupational Exposure Limits

IOELV TWA (mg/m³) 474 mg/m³

IOELV TWA (ppm) 150 ppm

United Kingdom - Occupational Exposure Limits

WEL TWA (mg/m³) 474 mg/m³

WEL TWA (ppm) 150 ppm

ethanol, ethyl alcohol (64-17-5)

EU - Occupational Exposure Limits

IOELV TWA (mg/m³) 1920 mg/m³

IOELV TWA (ppm) 1000 ppm

8.2. Exposure controls

Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

No specific eye protection required during normal use.

Hand protection

Hand protection not required.

Other skin and body protection

No specific requirements are anticipated under normal conditions of use.

Hygiene measures

No specific measures identified.

Respiratory protection

Respiratory protection not required.

Environmental exposure controls**Personal protective equipment:**

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and Chemical Properties**9.1. Information on basic physical and chemical properties**

Physical State: Liquid

Appearance : Clear, Colourless Gel.

Colour : clear.

Odour : Alcohol like.

Odour threshold : No data available

pH : 5.5

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : 30.2 °C

Self ignition temperature : Not Self Igniting

Decomposition temperature : No data available

Flammability (solid, gas) : Highly flammable liquid and vapour, Non flammable.

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 0.87 g/m³

Solubility : No data available

Partition coefficient n-octanol/water (Log Pow) : No data available

Viscosity, kinematic : 13218390804.598 mm²/s

Viscosity, dynamic : 11500 cP

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture. Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Open flame. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

May release flammable gases. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

MONO PROPYLENE GLYCOL (57-55-6)

LD50 oral rat ≥ 20000 mg/kg

LD50 dermal rabbit ≥ 2000 mg/kg

Toxic Conc. - LC 50 317 mg/l 2hours, (aerosol rabbit)

ethanol, ethyl alcohol (64-17-5)

LD50 oral rat 6200 mg/kg

LC50 inhalation rat (mg/l) 124.7 mg/l/4h

Skin corrosion/irritation : Not classified

pH: 5.5

Additional information : Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified

pH: 5.5

Additional information : Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Additional information : Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified

Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

Alcohol Hand Gel

Viscosity, kinematic 13218390804.598 mm²/s

SECTION 12: Ecological Information

12.1. Toxicity

Aquatic acute : Not classified

Aquatic chronic : Not classified

MONO PROPYLENE GLYCOL (57-55-6)

LC50 fishes 1	≥ 44000 mg/l (Trout, 96 hours)
LC50 other aquatic organisms 1	18340 mg/l (Cricodaphnia dubia (water flea) 48 hours))
LC50 other aquatic organisms 2	18800 mg/l (Mysidopsis bahia (saltwater mysid) 96 hours)
EC50 Daphnia 1	≥ 4850 mg/l (48 hours)
EC50 other aquatic organisms 1	19000 mg/l (Selenastrum capricornutum 96 hours)
NOEC (acute)	13020 mg/l (Ceriodaphnia (water flea), static renewal, 7days)

ethanol, ethyl alcohol (64-17-5)

LC50 fishes 1	8150 mg/l Leuciscus idus (Golden orfe)
EC50 Daphnia 1	9268 – 14221 mg/l

12.2. Persistence and degradability

Alcohol Hand Gel

Persistence and degradability	Not established.
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MONO PROPYLENE GLYCOL (57-55-6)

Persistence and degradability	Biodegradable.
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Biodegradation	≥ 80 % (28 days)
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ethanol, ethyl alcohol (64-17-5)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

Alcohol Hand Gel

Bioaccumulative potential	Not established.
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MONO PROPYLENE GLYCOL (57-55-6)

Bioaccumulative potential	The product has low potential for bioaccumulation.
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12.4. Mobility in soil

MONO PROPYLENE GLYCOL (57-55-6)

Ecology - soil	Soluble In Water.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to ... Dispose in a safe manner in accordance with local/national regulations.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport Information

In accordance with ADR / RID / IMDG / IATA

14.1. UN number

UN-No. (ADR) : UN 1170

UN-No. (IMDG) : UN 1170

UN-No.(IATA) : UN 1170

UN-No.(ADN) : UN 1170

UN-No. (RID) : UN 1170

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper Shipping Name (IMDG) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper Shipping Name (IATA) : ETHYL ALCOHOL SOLUTION

Proper Shipping Name (ADN) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper Shipping Name (RID) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Transport document description (ADR) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III, (D/E)

Transport document description (IMDG) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III

Transport document description (IATA) : UN 1170 ETHYL ALCOHOL SOLUTION, 3, III

Transport document description (ADN) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III

Transport document description (RID) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III

14.3. Transport hazard class(es)

Transport hazard class(es) (ADR) : 3

Danger labels (ADR) : 3



Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3

Hazard labels (IATA) : 3



ADN

Transport hazard class(es) (ADN) : 3

Danger labels (ADN) : 3



RID

Transport hazard class(es) (RID) : 3

Danger labels (RID) : 3



14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1

Special provision (ADR) : 144, 601

Limited quantities (ADR) : 5L

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19

Mixed Portable tank and bulk container instructions (ADR) : T2

Mixed Portable tank and bulk container special provisions (ADR) : TP1

ADR tank codes (ADR) : LGBF

Vehicle for tank carriage : FL

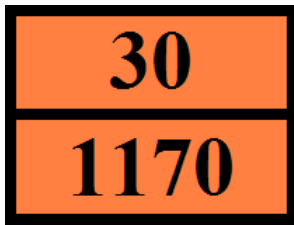
Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Operation (ADR) : S2

Hazard identification number (Kemler No.) : 30

Orange plates



Tunnel restriction code (ADR) : D/E

EAC code : •2YE

Transport by sea

Special provision (IMDG) : 144, 223

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T2

Tank special provisions (IMDG) : TP1

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-D

Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y344

PCA limited quantity max net quantity (IATA) : 10L

PCA packing instructions (IATA) : 355

PCA max net quantity (IATA) : 60L

CAO packing instructions (IATA) : 366

CAO max net quantity (IATA) : 220L

Special provision (IATA) : A3, A58, A180

ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1

Special provision (ADN) : 144, 601

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : F1

Special provision (RID) : 144, 601

Limited quantities (RID) : 5L

Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19

Portable tank and bulk container instructions (RID) : T2

Portable tank and bulk container special provisions (RID) : TP1

Tank codes for RID tanks (RID) : LGBF

Transport category (RID) : 3

Special provisions for carriage – Packages (RID) : W12

Colis express (express parcels) (RID) : CE4

Hazard identification number (RID) : 30

14.7. Transport in bulk according to Annex II of Marpol 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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other Information

Data sources

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.

Other information

None.

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Not classified

Full text of H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 1	Flammable liquids, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
P210	
P233	
P305+P351+P338	
P337+P313	

Classification according to Regulation (EC) No.

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