



ProSolve™ Silicone Spray (500ml)

Safety Data Sheet

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

Date Revised: 28/04/2021 Version: 1.0

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

1.1. Product identifier

Trade Name: ProSolve Silicone Spray

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

Identified Uses: Prosolve Silicone Spray, For Professional use only, silicone oil, lubricant.

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, H229
Aquatic Chronic 2	H411

2.2. Label elements Hazard pictograms:

Hazard pictograms:



Signal word: Danger

Hazard statements:

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements:

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P273	Avoid release to the environment.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container to hazardous or special waste collection point.

2.3. Other hazards Results of PBT and vPvB assessment:

None known.

Information pertaining to special dangers for human and environment

In extensive use, formation of flammable / explosive vapour-air mixture is possible.

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

Aerosol based on synthetic silicone.

3.1. Substances N/A

3.2. Mixtures Description: Hazardous Ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
115-10-6	204-065-9	dimethyl ether	25-50%	F+ R12

SECTION 4: First Aid Measures

4.1. Description of first aid measures

General information:

Get medical attention if any discomfort continues. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Effects may be delayed. Keep affected person under observation.

Inhalation:

Remove affected person from source of contamination. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel. Symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Get medical attention immediately.

Skin Problem:

Wash skin thoroughly with soap and water. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye:

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye. Get medical attention promptly if symptoms occur after washing.

Ingestion:

Rinse mouth thoroughly with water. Give plenty of water to drink. Keep affected person under observation. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

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

General information - The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation.

Inhalation - May cause an asthma-like shortness of breath. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. Drowsiness, dizziness, disorientation, vertigo.

Vapours may cause drowsiness and dizziness. Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.

Ingestion - May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication. Due to the physical nature of this material it is unlikely that swallowing will occur.

Skin contact - Prolonged contact may cause redness, irritation and dry skin. May cause skin irritation/eczema.

Eye contact - Severe irritation, burning and tearing. Vapour, spray or dust may cause chronic eye irritation or eye damage. May cause blurred vision and serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed: No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting Measures**5.1. Extinguishing media**

Suitable: Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Carbon dioxide (CO₂).

Unsuitable: Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Containers can burst violently or explode when heated, due to excessive pressure build-up.

Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Extremely flammable. Severe explosion hazard when vapours are exposed to flames. Risk of explosion if heated. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Containers can burst violently or explode when heated, due to excessive pressure build-up. Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for fire-fighters

Risk of re-ignition after fire has been extinguished. Risk of explosion. Cool containers exposed to flames with water until well after the fire is out. Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours. In case of spills, beware of slippery floors and surfaces.

Advice for emergency responders:

Use personal protective equipment

6.2. Environmental protection measures

Avoid discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

For waste disposal, see Section 13. If leakage cannot be stopped, evacuate area. Stop leak if possible without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections:

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Advice on Safety Handling:

Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Do not use in confined spaces without adequate ventilation and/or respirator. Mechanical ventilation or local exhaust ventilation may be required. Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists.

General protective measures:

The accumulation of vapours in an enclosed space may result in spontaneous combustion, use only in well ventilated areas. Use responsibly and in the correct manner. Wear the appropriate personal protective equipment, as outlined in section 8.

Hygiene measures

At work do not eat, drink, smoke or take drugs. Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Do not spray on a naked flame or any incandescent material. Pressurized container.

Do not pierce or burn even after use.

Vapours can form an explosive mixture with air. Avoid effect of heat.

Use explosion-proof equipment / fittings and non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Keep containers upright. Protect against physical damage and/or friction. Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Do not store for long periods. Do not store in large quantities. Store in a cool and well-ventilated place. Keep container dry. Do not store near heat sources or expose to high temperatures.

Further information on storage conditions

Protect from direct solar radiation.

Storage temperature may not exceed 50°C (=122°F). Store container at cool and aired place.

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

No exposure limits known for ingredient(s).

CAS No	Name	Short Term	Long Term (8 hours)	Ref
115-10-6	DIMETHYL ETHER	WEL Short-term value: 958 mg/m ³ , 500 ppm	Long-term value: 766 mg/m ³ , 400 ppm	Suppliers recommendation
67-64-1	acetone	WEL Short-term value: 3620 mg/m ³ , 1500 ppm	Long-term value: 1210 mg/m ³ , 500 ppm	Suppliers recommendation

8.2. Exposure controls

Respiratory protection

If exposure to hazardous substances identified cannot be controlled by the provision of local exhaust ventilation and good general extraction, suitable respiratory protective equipment should be worn.

Hand protection

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect exposed areas of skin, but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection

Eye protection designed to protect against liquid splashes should be worn.

Other protection measures

Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

Appropriate engineering controls

Provide adequate ventilation. All PPE used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance: Aerosol

Odour: Characteristic

Colour: Colourless

pH (20°C): Not determined

Boiling Point: Not Applicable

Melting point / Freezing point: not determined

Flash point: Not applicable (Aerosol)

Vapourisation rate: Not determined

Flammable (solid): Not determined

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: 0.58

Vapour density: Not determined

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: Does not meet the criteria for classification as oxidising.

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

9.2. Other information: No further relevant information available

SECTION 10: Stability and Reactivity

10.1. Reactivity: There are no known reactivity hazards associated with this product. Vapours may form explosive mixtures with air.

10.2. Chemical stability: Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions: Possibility of hazardous reaction

10.4. Conditions to avoid: Applying heat or pressure to the aerosol may result in explosion and fire. Naked flames, smoking, wet and damp storage conditions and mishandling may also result in explosion and fire.

10.5. Incompatible materials: No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products: Does not decompose when used and stored as recommended.

Thermal decomposition: No decomposition if used as directed.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Toxicological effects

No information available.

Carcinogenicity

Does not contain any substances known to be carcinogenic.

Reproductive toxicity

No evidence of reproductive toxicity in animal studies.

SECTION 12: Ecological Information

12.1. Toxicity

The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability: There are no data on the degradability of this product.

12.3. Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil: The product is insoluble in water.

12.5. Results of PBT and vPvB assessment: This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects: Not available.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

General information

Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not puncture or incinerate, even when empty.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations.

SECTION 14: Transport Information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number:	1950	1950	
14.2. UN proper shipping name:	AEROSOLS	AEROSOLS	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

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SECTION 15: Additional Regulatory Information

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

VOC Standard

VOC Content	0%
VOC Value	None

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.