



# ProSolve Temporary Line Markers (750ml)

## Safety Data Sheet

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

Date Revised: 23/08/2023 Version: 1.3

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

#### 1.1. Product identifier

**Trade Name: ProSolve Temporary Line Markers (water based acrylic linemarker)**

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

**Identified Uses:** Technical Aerosol

#### 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](mailto:enquiries@prosolveproducts.com)**

**Web: [www.prosolveproducts.com](http://www.prosolveproducts.com)**

#### EU Details:

**Address: PO Box: 107, 3150 AC, HOEK VAN HOLLAND**

#### 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**

Aerosol 1

**Hazard Statements**

H222, H229

**2.2. Label elements Hazard pictograms:**

**Hazard pictograms:**



**Signal word:** Danger

**Hazard statements:**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

**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:**

Product has an anesthetic effect.

**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

Line Marker based on synthetic resin binder, solvent and pigments.

#### 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]
25587-80-8	NA	Polyamide resin	10<12	No Classified
NA	NA	Pigment	12< 18	No Classified
115-10-6	204-065-8	Dimethyl ether	30< 34	Flam. Gas 1, H220 / Press. Gas, H280
471-34-1	207-439-9	Calcium carbonate	20 < 24	No Classified
64-17-5	200-578-6	Ethyl Alcohol	18< 20	Flam. Liq. 2; Eye Dam., 2A; H225; H319;
1317-80-2	257-372-4	Titanium Dioxide	9< 10	No Classified

## SECTION 4: First Aid Measures

### 4.1. Description of first aid measures

#### General information:

Remove contaminated soaked clothing immediately.

#### Inhalation:

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

#### Skin Problem:

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.

#### Eye:

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

#### Ingestion:

Do not induce vomiting.

Medical treatment.

**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:** Carbon dioxide, Dry sand

**Unsuitable:** Water

**5.2. Special hazards arising from the substance or mixture:** May lead to formation of explosive/easily ignitable vapour air mixtures. Danger of bursting.

**5.3. Advice for fire-fighters:** Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

**Additional Information:** Vapours are heavier than air and will spread on the ground. Cool endangered containers with water spray jet.

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:**

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Use breathing apparatus if exposed to vapours/dust/aerosol.

Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

### **6.2. Environmental protection measures**

Inform pollution control authorities if product gets into the sewerage systems or open waters.

Do not discharge into the drains or bodies of water.

### **6.3. Methods and material for containment and cleaning up**

Take up with absorbent material.

After taking up the material dispose according to regulation.

#### **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:**

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace. Take measures against electrostatically charging.

##### **General protective measures:**

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

##### **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**

Requirements for storage rooms and vessels

Keep in closed original container.

Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

##### **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

Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
115-10-6	Dimethyl ether	8 hours	1920	N/A	IOELV
64-17-5	Ethyl Alcohol	8 hours	1920	1000	IOELV

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
115-10-6	Dimethyl ether	8 hours	1920	N/A	Skin, Eye
64-17-5	Ethyl Alcohol	8 hours	950	500	Skin, Eye

#### Additional advice

The statutory local and national regulations have to be observed.

### 8.2. Exposure controls

#### Respiratory protection

If ventilation insufficient, wear respiratory protection.

Short-term: filter apparatus, filter AX, otherwise environment-independent breathing apparatus.

#### Hand protection

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: butyl rubber, 0,7mm; 480min

## **Eye protection**

Tightly fitting goggles

## **Other protection measures**

Protective clothing

## **Appropriate engineering controls**

Sufficient ventilation and exhaustion.

## **SECTION 9: Physical and Chemical Properties**

### **9.1. Information on basic physical and chemical properties**

**Appearance:** Aerosol

**Odour:** Solvent-like

**Colour:** Various

**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:** Not determined

**Vapour density:** Not determined

**Solubility in water:** Not determined

**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:** No further relevant information available

**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:** No further relevant information available

**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**

	<b>Value/Validation</b>	<b>Species</b>	<b>Method</b>	<b>Remark</b>
LD50 acute oral	> 2000 mg/kg	Rat		Information concerns main component.
LD50 acute dermal	1100 mg/kg			Xylene
LC50 acute inhalation	> 5 mg/l (4 h)	Rat		Aluminium
Irritability skin	irritant			

Irritability eye	irritant			
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### 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

#### Waste Code Number

#### Name of Waste

08 01 11\*

waste paint and varnish containing organic solvents or other dangerous substances

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

## 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.

**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.