



BLUE DIAMOND STL
GLOBAL REACH, PERSONAL SERVICE

SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

ProSolve™ Stencil Stray (400ml)

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

1.1. Product identifier

Trade Name: ProSolve™ Stencil Spray

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

Identified Uses: Technical Aerosols

1.3. Details of the supplier of the safety data sheet

Company Name: Blue Diamond STL

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

Tel: +44 (0) 1302 310 113

E-mail: enquiries@bdstl.com

Web: www.bdstl.com

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:

Irritating to eyes. Repeated Exposure may cause skin dryness and cracking.

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

A mixture of resins, pigments, mineral extenders, additives, organic solvents and organic gases.

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]
64742-95-6	649-356-00-4	Mixed Aromatic Hydrocarbons	10-15%	R10 Xn; R37 R65 R66 R67 N; R51/53
111-76-2	603-014-00-0	2-Butoxyethanol	5-10%	Xn; R20/21/22 Xi; R36/38
107-98-2	603-064-00-3	1-Methoxy-2-Propanol	5-10%	R10
67-64-1	200-662-2	Propan-2-one	40-60%	R11, R36, R66, R67
106-97-8	203-448-7	Butane	10-30%	F+; R12
74-98-6	200-827-9	Propane	10-30%	F+; R12

Contains no known PBT's or vPvB's

SECTION 4: First Aid Measures

4.1. Description of first aid measures

General information:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:

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

DO NOT use solvents or thinners as skin cleaning agents.

Eye:

Contact lenses should be removed. Promptly wash eyes with lots of water while lifting the eyelids. 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: Do NOT use high pressure inert gas or water jets.

5.2. Special hazards arising from the substance or mixture: Fire may produce dense black smoke containing hazardous combustion products (see heading 10). Decomposition products may be a hazard to health. Do not allow run-off from fire fighting to enter drains or water courses.

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

Remove all sources of ignition.

Ensure adequate ventilation.

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

DO NOT allow to enter drains or watercourses.

If the product enters drains or sewers, the local water company should be informed immediately.

In the case of contamination of streams, rivers or lakes, inform the relevant environment Agency.

Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixture with air.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, (e.g. sand, earth, vermiculite, diatomaceous earth) and place in a suitable container for disposal in accordance with the waste regulations (see section 13).

Clean the spill area preferably with a detergent.

Avoid the use of solvents.

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:

Keep, the aerosol in a cool, dry place.

Exclude sources of heat, sparks and open flame.

Do not use sparking tools around aerosols.

Avoid skin and eye contact.

Avoid inhalation of vapour and spray mist.

For personal protection, see section 8.

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

Never apply pressure to the aerosol, the aerosol is a pressurised object and may explode if pressure is applied.

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

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

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

CAS No	Name	Long term exposure limits – 8hr time weighted average	Short term exposure limit – 15 minute reference period	Ref	Remark
64742-95-6	Mixed Aromatic Hydrocarbons	25ppm (50mgm ⁻³)			SUP
111-76-2	2-Butoxyethanol	25ppm	50ppm	WEL Sk Bmgv	EH40
107-98-2	1-Methoxy-2-Propanol	100ppm (375mgm ⁻³)	150ppm (560mgm ⁻³)	WEL Sk	EH40

67-64-1	Propan-2-one	1810mgm ⁻³	3620mgm ⁻³	WEL	SUP
---------	--------------	-----------------------	-----------------------	-----	-----

Ref:

“Sk” indicates a risk of absorption through the skin.

“Bmgv” indicates a biological monitoring guidance value.

“WEL” indicates a Workplace Exposure Limit. WEL’s are taken from the current version of EH40 except those marked “SUP” which are assigned by the supplier of the substance.

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.

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: Solvent-like

Colour: Various

pH (20°C): Not determined

Boiling Point: Not Applicable

Melting point / Freezing point: not determined

Flash point: Not known for blend

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

Stable under the recommended storage and handling conditions (see section 7).

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: 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: Keep away from oxidising agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions.

10.6. Hazardous decomposition products: In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

Thermal decomposition: No decomposition if used as directed.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 2000 mg/kg	Rat		Information concerns to 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			

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

08 01 11*

Name of Waste

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.

- 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.

Issued By: Blue Diamond STL

OUR BRANDS



Blue Diamond STL, Sandall Stones Industrial Estate, Doncaster,
South Yorkshire, DN3 1QR

+44 (0)1302 310 113 enquiries@bdstl.com www.bdstl.com

ProSolve, Sapphire and Warrior are trademarks of Blue Diamond STL

Reg in England No: 5230722 VAT Reg No: 381 3533 58