



BLUE DIAMOND STL
GLOBAL REACH, PERSONAL SERVICE

Version: 1

Date: 19 July 2020

SAFETY DATA SHEET

ProSolve™ Spot Marking Paint

Relevant identified uses of the substance: Designed to adhere to most surfaces, including pavement, gravel, and soil.

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

1.1. Product identifier

Trade Name: ProSolve Spot Markers

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: Blue Diamond STL (New Zealand)

Company Address: Unit 3, 12 Marphona Crescent, Takanini, Auckland 2105

09 218 5566E

Email: sales.nz@bdstl.com

Web: www.bdstl.co.nz

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:

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

Marking aerosol 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]
67-64-1	200-662-2	Acetone	30 - 40%	F; R11 Xi; R36 R66 R67
106-97-8	203-448-7	Butane	10 - 20%	F+; R12
123-86-4	204-658-1	n-Butyl acetate	1 - 10%	R10 R66 R67
64742-95-6	265-199-0	Solvent Naptha (Petroleum), Light Aromatic.; Low boiling point Naptha	1 - 10%	Xn; R65 Xi; R37 N; R51/53 R10-66-67
95-63-6	202-436-9	1,2,4-Trimethylbenzene	1 - 10%	R10 Xn; R20 Xi; R36/37/38 N; R51/53
107-98-2	203-539-1	1-Methoxy-2-propanol	1 - 10%	R10 R67
111-76-2	203-905-0	Ethylene glycol monobutyl ether	1 - 10%	Xn; R20/21/22 Xi; R36/38
141-78-6	205-500-4	Ethyl acetate	1 - 10%	F; R11 Xi; R36 R66 R67
85535-85-9	287-477-0	alkanes, C14-17, chloro	0.5 - 1%	R64 R66 N; R50/53
108-67-8	203-604-4	1,3,5-Trimethylbenzene	0.5 - 1%	R10 Xi; R37 N; R51/53
28701-67-9		Isodecyloxpropylamine Acetate		C; R34 Xn; R22 Xi; R37-43 N; R50/53

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

Not known

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

Additional advice

The statutory local and national regulations have to be observed.

Not known

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

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

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.

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 (New Zealand)