



**BLUE DIAMOND STL**  
GLOBAL REACH, PERSONAL SERVICE

## SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

ProSolve™ Floor Paint (5L)

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

#### 1.1. Product identifier

Trade Name: ProSolve™ Floor Paint

#### 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](mailto:enquiries@bdstl.com)

Web: [www.bdstl.com](http://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:

Product has an anesthetic effect.

### Information pertaining to special dangers for human and environment

Contains 2-butanone oxime. May produce an allergic reaction.

### 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]
1330-20-7	215-535-7	xylene	>=20 - <50	R10 Xn; R20/21 Xi; R38
100-41-4	202-849-4	ethylbenzene	>=1 - <7	F; R11 Xn; R20, R48/20, R65
64742-95-6	265-199-0	solvent naphtha petroleum), light aromatic.	>=0.25 - <10	Xn; R20, R65 Xi; R36/37/38 N; R51/53
7779-90-0	231-944-3	trizinc bis(orthophosphate)	>=0.00 - <2.5	N; R50/53
96-29-7	202-496-6	2-butanone oxime	>=0.1 - <1	Carc. Cat. 3; R40 Xn; R21 Xi; R41 R43

## 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:** Alcohol-resistant foam, Carbon dioxide, Dry sand, Water Spray

**Unsuitable:** Waterjet

**5.2. Special hazards arising from the substance or mixture:** Flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**5.3. Advice for fire-fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**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:**

Avoid all direct contact with the spilled material. Exclude sources of ignition and be aware of explosion hazard. Ventilate the area.

Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

#### **Advice for emergency responders:**

Use personal protective equipment

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

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

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

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Contaminated absorbent material may pose the same hazard as the spilt product.

### **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:**

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. In addition, the product should be used only in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. No sparking tools should be used.

Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

#### **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

Store in accordance with local regulations. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children. Keep away from: Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

### 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

Ingredient	Name
xylene	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. STEL: 441 mg/m <sup>3</sup> 15 minutes. STEL: 100 ppm 15 minutes. TWA: 220 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.
ethylbenzene	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. STEL: 552 mg/m <sup>3</sup> 15 minutes. STEL: 125 ppm 15 minutes. TWA: 441 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours.
solvent naphtha (petroleum), light arom.	EU OEL (Europe). TWA: 120 mg/m <sup>3</sup> 8 hours. Form: TWA: 25 ppm 8 hours. Form:

### 8.2. Exposure controls

#### Respiratory protection

If working areas have insufficient ventilation: When the product is applied by means that will not generate an aerosol such as, brush or roller wear half or totally covering mask equipped with gas filter of type A, when grinding use particle filter of type P. When the product is applied by spraying and for continuous or prolonged work always wear an air-fed respirator e.g. hood with supply of fresh or compressed air or a full face, powered air purifying filter. Be sure to use an approved/certified respirator or equivalent.

## Hand protection

Wear chemical-resistant gloves (tested to EN374) in combination with 'basic' employee training. The quality of the chemical-resistant protective gloves must be chosen as a function of the specific workplace concentrations and quantity of hazardous substances.

Since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type. Below listed glove(s) should be regarded as generic advice: Recommended: Silver Shield / 4H gloves, polyvinyl alcohol (PVA), Viton® Not recommended: nitrile rubber, neoprene rubber, butyl rubber, natural rubber (latex), polyvinyl chloride (PVC)

## Eye protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash 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:** Liquid

**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**

Exposure to component solvent vapor concentrations may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Accidental swallowing may cause stomach pain. Chemical lung inflammation may occur if the product is taken into the lungs via vomiting.



## Acute toxicity

Ingredient	Result	Species	Dose	Exposure
xylene	LC50 Inhalation Gas. LC50 Inhalation Vapour LD50 Dermal LD50 Oral	Rat Rat Rabbit Rat	5000 ppm 6350 ppm >2000 mg/kg 4300 mg/kg	4 hours 4 hours - -
ethylbenzene	LD50 Dermal LD50 Oral	Rabbit Rat	>5000 mg/kg 3500 mg/kg	- -
solvent naphtha (petroleum), light arom.	LC50 Inhalation Vapour LD50 Dermal LD50 Oral	Rat Rabbit Rat	>5 mg/l >2000 mg/kg 8400 mg/kg	4 hours - -
2-butanone oxime	LD50 Dermal LD50 Oral	Rabbit Rat	1001 mg/kg 930 mg/kg	- -

### 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

Do not allow to enter drains or watercourses. Toxic to aquatic life with long lasting effects.

**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:	1263	1263	1263
14.2. UN proper shipping name:	PAINT	PAINT	PAINT
14.3. Transport hazard class(es):	3	3	3
14.4. Packing group:	III	III	III
14.5. Environmental hazards:	Yes	Yes	No

#### 14.6. Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### NOTES:

##### For ADR/RID

The environmentally hazardous substance mark is not required when transported in sizes of  $\leq 5$  L or  $\leq 5$  kg.

Special provisions 640 (E)

Tunnel code (D/E)

##### For IMDG

The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

Emergency schedules (EmS) F-E, S-E

#### **For IATA**

The environmentally hazardous substance mark may appear if required by other transportation regulations

#### **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**

EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation - Substances of very high concern

#### **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.

Issued By: Blue Diamond STL

## OUR BRANDS



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