



BLUE DIAMOND STL
GLOBAL REACH, PERSONAL SERVICE

SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

ProSolve™ Bright Gold/Silver Paint Aerosol

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

1.1. Product identifier

Trade Name: ProSolve™ Bright Gold/Silver Paint

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

Identified Uses: Paint Application via Aerosol

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:

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

A mixture of resins, 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]
107-98-2	203-539-1	1-Methoxy-2-Propanol	1-5%	R10,R67
67-64-1	200-662-2	Acetone	30-60%	F;R11 Xi;R36 R66 R67
106-97-8	203-448-7	Butane	10-30%	F+; R12
95-47-6	601-022-00-9	Xylene	10-15%	R10 Xn; R20/21 Xi; R38
75-28-5	200-857-2	Isobutane	5-10%	F+;R12
28701-67-9	603-064-00-3	Isodecyloxypropylamine acetate	<1%	C; R35
74-98-6	200-827-9	Propane	10-30%	F+; R12
64742-88-7	265-191-7	Solvent Naphtha (Petroleum), Medium Aliph.;Straight Run Kerosine	1-5%	Xn;R65

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

Observe label precautions.

Store between 5 and 25°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

No smoking.

Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

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

Name	Long term exposure limits – 8hr time weighted average	Short term exposure limit – 15 minute reference period	Type	Ref

1-Methoxy-2-Propanol	100ppm 375mgm ⁻³	150ppm 560mgm ⁻³	WEL	
Acetone		500ppm 1210mgm ⁻³		
Butane	600ppm 1450mgm ⁻³	750ppm 1810mgm ⁻³	WEL	
Isobutane	800ppm	800ppm	WEL	
Propane	Asphyxiating	Asphyxiating		
Xylene	50ppm 220mgm ⁻³	100ppm 441mgm ⁻³	WEL	

“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 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

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: Ketonic

Colour: Gold/Silver

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:

Volatile Organic Compound (VOC) 656 g/litre

Aerosol products which are used for vehicle refinishing are classed as Annex IIB subcategory (e). The maximum permitted VOC's are 840 g/l. The typical VOC content for this range of products is between 625 and 675 g/l. The VOC regulations do not apply to any other aerosol products except those which are used for vehicle refinishing.

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

Splashes in the eye may cause irritation and reversible local damage.

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

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

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Chemicals (Hazard Information & Packaging) Regulations.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

Control of Substances Hazardous to Health.

The Aerosol Dispensers Regulations 2009

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

EU Legislation

Dangerous Preparations Directive 1999/45/EC.

Dangerous Substance Directive 67/548/EEC.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and

packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC)

No 1907/2006 with amendments.

The Aerosol Dispensers Directive 1975/324 EEC

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.

OUR BRANDS



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