



Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: BL SILVER COAT Silver

Product code(SDS NO): 20150602002_E2-1

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

Uses advised against: Paint

Details of the supplier of the safety data sheet

Manufacturer/Supplier: PRESENCE Co., Ltd.

Address: 4-18-1 Minamikase Saiwaiku Kawasaki Kanagawa 2120055 JAPAN

Division: Research and Development

Telephone number: +81-44-587-3139

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e-mail address: info@badland.net

Emergency telephone number (24h): +81-44-587-3139

2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

PHYSICAL HAZARDS

Flammable liquids: Category 3

HEALTH HAZARDS

Specific target organ toxicity - single exposure: Narcosis Category 3

Label elements



Signal word: Warning

HAZARD STATEMENT

H226 Flammable liquid and vapor

H336 May cause drowsiness or dizziness

PRECAUTIONARY STATEMENT

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves and face protection.

Response

P370 + P378 In case of fire: Use appropriate media other than water for extinction.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Storage

P403 Store in a well-ventilated place. P233 Keep container tightly closed. P235 Keep cool.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

Physical and Chemical hazards

Flammable liquid. Vapor/air mixture may explode.



3. Composition/information on ingredients

Substance/Mixture:

Mixture

Ingredient name	Content(%)	CAS No.	PRTR law No, Japan
Silver	1 - 10	7440-22-4	-
Propyleneglycol monomethyl ether	80 - 100	107-98-2	-

Note : The figures shown above are not the specifications of the product.

4. First-aid measures

Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair)

Take off immediately all contaminated clothing. Rinse skin with water/shower.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

In case of fire, use foam, dry powder, CO₂.

6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

Ventilate area after material pick up is complete.

Wear proper protective equipment.

Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

7. Handling and storage

Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Avoid breathing dust/fume/gas/mist/vapors/spray.

(Protective measures against fire & explosion)

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Safety Measures/Incompatibility

Use only outdoors or in a well-ventilated area.

Wear protective gloves and face protection.

Conditions for safe storage, including any incompatibilities

Recommendation for storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

8. Exposure controls/personal protection

Control parameters

Adopted value

(Propyleneglycol monomethyl ether)

ACGIH(2012) TWA: 50ppm

STEL: 100ppm (Eye & URT irr)

(Silver)

ACGIH(1992) TWA: 0.1mg-Metal Ag/m³ (Argyria)

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical properties

Appearance: Liquid



Phase change temperature
Initial Boiling Point/Boiling point: 120°C
Flash point: (Propyleneglycol monomethyl ether)32°C
Auto-ignition temperature: 270°C
Explosive properties: Flammability or explosive limit
lower limit: 1.9vol %
upper limit: 13.1vol %

10. Stability and Reactivity

Chemical stability
Stable under normal storage/handling conditions.

11. Toxicological Information

Information on toxicological effects
No Acute toxicity data available
No Irritant properties data available
No Allergenic and sensitizing effects data available
No Mutagenic effects data available
Carcinogenicity
(Propyleneglycol monomethyl ether)
ACGIH-A4(2012) : Not Classifiable as a Human Carcinogen
No Teratogenic effects data available
No reproductive toxicity data available
No STOT-single/repeated exposure data available
No Aspiration hazard data available

12. Ecological Information

Toxicity
No Aquatic toxicity data available
Water solubility
(Propyleneglycol monomethyl ether)
very good (ICSC, 1997)
(Silver)
none (ICSC, 1997)
No Persistence and degradability data available
No Bioaccumulative potential data available
No Mobility in soil data available
Ozone depleting chemical data not available

13. Disposal considerations

Waste treatment methods
Dispose of contents/container in accordance with local/national regulation.

14. Transport Information

UN No, UN CLASS
UN number: 1263
UN proper shipping name:
PAINT or PAINT RELATED MATERIAL
Transport hazard class(es): 3
Packing group: III
ERG GUIDE NO.: 128
Special provisions NO.: 163; 223; 367; A3; A72; A192

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
The product is not applicable to Toxic/harmful substances control law, Japan
Industrial Safety and Health Act, Japan
The product is not applicable to Organic Solvents control law, Japan
Appended Table 1 Dangerous Substances (related to Article 1, 6, and 15)
Flammable (30°C ≤ FP < 65°C)



Deliver of Documents, etc. (Article 18-2, attached table 9)
Silver; Propyleneglycol monomethyl ether
PRTR law, Japan
Listed chemicals Gr.1
Silver(4.5%)
Fire Service Act, Japan
Petroleum Gr.2, (Class III)
Not applicable to Chemical Substances Control Law, Japan.
Air Pollution Control Law, Japan
Hazardous air pollutants
Silver
Ship Safety Act
Class 3 : Flammable liquids
Civil Aeronautics Act
Class 3 : Flammable liquids

16. Other information

GHS classification and labelling

Flam. Liq. 3: H226 Flammable liquid and vapor
STOT SE 3: H336 May cause drowsiness or dizziness

Reference Book

Globally Harmonized System of classification and labelling of chemicals, (5th ed., 2013), UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 18th edit., 2013 UN
Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012)
2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)
2015 TLVs and BEIs. (ACGIH)
<http://monographs.iarc.fr/ENG/Classification/index.php>
Supplier's data/information

General Disclaimer

To the best of our knowledge, the information contained here in is accurate. However, we assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of user. All material may present unknown hazards and should be used in caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist.

This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. It are advised to make their own tests to determinate the safety and suitability of each such product or combination for their own purposes.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.