

## Safety Data Sheet

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

Product identifier:

Product name: BL SILVER COAT Silver thinner

Product code(SDS NO): 20161021001\_E1-1

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

Uses advised against: Paint(thinner)

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 2

HEALTH HAZARDS

Serious eye damage/eye irritation: Category 1

Specific target organ toxicity - single exposure: Narcosis Category 3

Label elements



Signal word: Danger

HAZARD STATEMENT

H225 Highly flammable liquid and vapor

H318 Causes serious eye damage

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.

P280 Wear eye protection/face protection.

Response

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

P310 Immediately call a POISON CENTER or doctor/physician.

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.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove



contact lenses, if present and easy to do. Continue rinsing.

#### 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

Highly flammable liquid. Vapor/air mixture may explode.

### 3. Composition/information on ingredients

Substance/Mixture:

Mixture

| Ingredient name                  | Content(%) | CAS No.  | PRTR law No, Japan |
|----------------------------------|------------|----------|--------------------|
| Propyleneglycol monomethyl ether | 45 - 55    | 107-98-2 | -                  |
| Ethyl alcohol                    | 30 - 40    | 64-17-5  | -                  |
| 1-Propanol                       | 1 - 10     | 71-23-8  | -                  |
| 4-Hydroxy-4-methyl-2-pentanone   | 1 - 10     | 123-42-2 | -                  |
| Isopropyl alcohol                | 1 - 10     | 67-63-0  | -                  |

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.

#### IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

In case of fire, use foam, dry powder, CO<sub>2</sub>.

### 6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

Keep unauthorized personnel away.

Ventilate area after material pick up is complete.

Wear proper protective equipment.

Be careful not to slip on spilled area.

Eliminate all sources of ignition and ventilate the area.

Stop leak if safe to do so.

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.

Wear eye protection/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)

(4-Hydroxy-4-methyl-2-pentanone)

ACGIH(1979) TWA: 50ppm (URT & eye irr)

(Ethyl alcohol)

ACGIH(2008) STEL: 1000ppm (URT irr)

(Isopropyl alcohol)

ACGIH(2001) TWA: 200ppm

STEL: 400ppm (Eye & URT irr; CNS impair)

(1-Propanol)

ACGIH(2006) TWA: 100ppm (Eye & URT irr)

## 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical properties

Appearance: Liquid

Phase change temperature

Initial Boiling Point/Boiling point: 79°C

Flash point: (Ethyl alcohol)13°C

Auto-ignition temperature: 270°C

Explosive properties: Flammability or explosive limit

lower limit: 1.8vol %

upper limit: 19vol %

## 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

(Ethyl alcohol)

IARC-Gr.1 : Carcinogenic to humans

(Isopropyl alcohol)

IARC-Gr.3 : Not Classifiable as a Human Carcinogen

(Ethyl alcohol)

ACGIH-A3(2008) : Confirmed Animal Carcinogen with Unknown Relevance to Humans

(Propyleneglycol monomethyl ether)



ACGIH-A4(2012) : Not Classifiable as a Human Carcinogen  
(1-Propanol)

ACGIH-A4(2006) : Not Classifiable as a Human Carcinogen  
(Isopropyl alcohol)

ACGIH-A4(2001) : 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)

(4-Hydroxy-4-methyl-2-pentanone)

100 g/100 ml (PHYSPROP Database, 2005)

(Ethyl alcohol)

miscible (ICSC, 2000)

(Isopropyl alcohol)

In water, infinitely soluble (25 C) (HSDB, 2013)

(1-Propanol)

100 g/100 ml (PHYSPROP Database, 2005)

Persistence and degradability

(Ethyl alcohol)

Degrade rapidly (BOD\_Degradation : 89% (Registered chemicals data check & review, Japan, 1993))

(Isopropyl alcohol)

Degrade rapidly (Degradation : 86% (Registered chemicals data check & review, 1993))

Bioaccumulative potential

(Ethyl alcohol)

log Pow=-0.32 (ICSC, 2000)

(Isopropyl alcohol)

log Pow=0.05 (ICSC, 1999)

(1-Propanol)

log Pow=0.25 (ICSC, 1999)

(4-Hydroxy-4-methyl-2-pentanone)

log Pow=-0.14 through 1.03 (ICSC, 2005)

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: II

ERG GUIDE NO.: 128

Special provisions NO.: 163; 367; A3; A72; A192

Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Noxious Liquid ; Cat. Y



1-Propanol  
Noxious Liquid ; Cat. Z  
4-Hydroxy-4-methyl-2-pentanone; Ethyl alcohol; Isopropyl alcohol

### 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

Chemical Substances requiring Labeling and Deliver of Documents, etc.

Labeling, etc.

Isopropyl alcohol; Ethyl alcohol; 4-Hydroxy-4-methyl-2-pentanone; 1-Propanol;

Propyleneglycol monomethyl ether

Report required substances

Ethyl alcohol; 4-Hydroxy-4-methyl-2-pentanone; Isopropyl alcohol; 1-Propanol;

Propyleneglycol monomethyl ether

Appended Table 1 Dangerous Substances (related to Article 1, 6, and 15)

Flammable ( $0^{\circ}\text{C} \leq \text{FP} < 30^{\circ}\text{C}$ )

The product is not applicable to Pollution Release and Transfer Register (PRTR) law, Japan

Fire Service Act, Japan

Petroleum Gr.1, (Class II)

Chemical Substances Control Law, Japan

Priority Assessment Chemical Substances (PACSS)

Isopropyl alcohol

Ship Safety Act

Class 3 : Flammable liquids

Civil Aeronautics Act

Class 3 : Flammable liquids

### 16. Other information

GHS classification and labelling

Flam. Liq. 2: H225 Highly flammable liquid and vapor

Eye Dam. 1: H318 Causes serious eye damage

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)

2016 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/ENG/Classification/index.php>

Supplier's data/information

General Disclaimer

The information herein is given in good faith, but no warranty, express or implied, is made. Please consult us for further information.

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.