

Safety Data Sheet

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

Product identifier:

Product name: BL SILVER COAT Top Clear thinner

Product code(SDS NO): 20161013_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

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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

Germ cell mutagenicity: Category 1B

Carcinogenicity: Category 1B

Specific target organ toxicity - single exposure: Respiratory tract irritation Category 3

Aspiration hazard: Category 1

Label elements



Signal word: Danger

HAZARD STATEMENT

H226 Flammable liquid and vapor

H340 May cause genetic defects

H350 May cause cancer

H335 May cause respiratory irritation

H304 May be fatal if swallowed and enters airways

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 Use personal protective equipment as required.

Response

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

P308 + P313 IF exposed or concerned: Get medical advice/attention.

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.
P331 Do NOT induce vomiting.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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
Solvent naphtha	55 - 65	64742-95-6	-
Diisobutyl Ketone	35 - 45	108-83-8	-

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 SWALLOWED

Do NOT induce vomiting.

Immediately call a POISON CENTER or doctor/physician.

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

Evacuate area.

Keep unauthorized personnel away.

In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.

Wear an air-supplied respirator for a poor/non ventilated spill.

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.

PUBLIC SAFETY: Ventilate closed spaces before entering.

Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

Do not wash away into shower or waterway.

Preventive measures for secondary accident

Prepare extinguishers before catching fire.

Stop leak if safe to do so.

Stop leak if you can do it without risk.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).



Prevent entry into waterways, sewers, basements or confined 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.

Use personal protective equipment as required.

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

(Diisobutyl Ketone)

ACGIH(1979) TWA: 25ppm (URT & eye irr)

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical properties

Appearance: Liquid

Color: Colorless

Odor: Characteristic odor

Phase change temperature

Initial Boiling Point/Boiling point: 130°C

Melting point/Freezing point: -42°C

Flash point: (Solvent naphtha)38°C

Auto-ignition temperature: 396°C

Explosive properties: Flammability or explosive limit

lower limit: 0.6vol %

upper limit: 6.2vol %

Vapor pressure: 0.23 kPa (20 C)

Relative Vapor Density (Air=1): 4.9

Relative density of the Vapor/air-mixture at 20°C(Air = 1): 1.01

Specific gravity/Density: 0.805

Solubility

Solubility in water: Insoluble

10. Stability and Reactivity

Chemical stability

Stable under normal storage/handling conditions.

Incompatible materials

Strong oxidizing agents

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

(Solvent naphtha)

EU-Category 1B; Substances presumed to have carcinogenic potential for humans

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

(Diisobutyl Ketone)

0.264 g/100 ml (PHYSPROP Database, 2005)

Persistence and degradability

(Diisobutyl Ketone)

Not degrade rapidly (BioWin)

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

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

Noxious Liquid ; Cat. Y

Diisobutyl Ketone

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

Organic Solvents Class III

Solvent naphtha

Chemical Substances requiring Labeling and Deliver of Documents, etc.

Labeling, etc.

Diisobutyl Ketone; Solvent naphtha

Report required substances

Solvent naphtha; Diisobutyl Ketone

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

Flammable (30°C ≤ FP < 65°C)



The product is not applicable to Pollution Release and Transfer Register (PRTR) law, Japan
Fire Service Act, Japan
Petroleum Gr.2, (Class III)
Not applicable to Chemical Substances Control Law, Japan.
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
Muta. 1B: H340 May cause genetic defects
Carc. 1B: H350 May cause cancer
STOT SE 3: H335 May cause respiratory irritation
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways

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 assume 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.