

Safety Data Sheet

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

Product identifier:

Product name: BL SILVER COAT Top Clear Agent

Product code(SDS NO): 20160830002_E1-1

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

Uses advised against: Paint(base)

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

FAX: +81-44-580-3431

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

Skin corrosion/irritation: Category 2

Reproductive toxicity: Category 2

Specific target organ toxicity - single exposure: Narcosis Category 3

Specific target organ toxicity - repeated exposure: Category 2

Aspiration hazard: Category 1

Label elements



Signal word: Danger

HAZARD STATEMENT

H225 Highly flammable liquid and vapor

H315 Causes skin irritation

H361 Suspected of damaging fertility or the unborn child

H336 May cause drowsiness or dizziness

H373 May cause damage to organs through prolonged or repeated exposure

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.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

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

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

P264 Wash contaminated parts thoroughly after handling.

P280 Wear protective gloves.

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.
P314 Get medical advice/attention if you feel unwell.
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.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
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

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
Toluene	40 - 50	108-88-3	-
Butyl acetate	25 - 35	123-86-4	-
Xylene	1 - 10	1330-20-7	-
Ethylbenzene	1 - 10	100-41-4	-

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.

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

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.

Ventilate area after material pick up is complete.

Wear proper protective equipment.

Eliminate all sources of ignition and ventilate the area.

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)

Do not breathe dust/fume/gas/mist/vapors/spray.

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.

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

(Ethylbenzene)

ACGIH(2010) TWA: 20ppm (URT irr; kidney dam; nephropathy; cochlear impair)

(Toluene)

ACGIH(2006) TWA: 20ppm (Visual impair; female repro; pregnancy loss)

(Butyl acetate)

ACGIH(2015) TWA: 50ppm

STEL: 150ppm (Eye & URT irr)

(Xylene)

ACGIH(1992) TWA: 100ppm

STEL: 150ppm (URT & eye irr; CNS impair)

Safety and Health measures

Wash ... thoroughly after handling.

Take off contaminated clothing and wash it before reuse.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Phase change temperature

Initial Boiling Point/Boiling point: 111°C

Flash point: (Toluene)4°C

Auto-ignition temperature: 420°C

Explosive properties: Flammability or explosive limit

lower limit: 1.1vol %

upper limit: 7.6vol %

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
 (Ethylbenzene)
 IARC-Gr.2B : Possibly carcinogenic to humans
 (Toluene)
 IARC-Gr.3 : Not Classifiable as a Human Carcinogen
 (Xylene)
 IARC-Gr.3 : Not Classifiable as a Human Carcinogen
 (Ethylbenzene)
 ACGIH-A3(2010) : Confirmed Animal Carcinogen with Unknown Relevance to Humans
 (Toluene)
 ACGIH-A4(2006) : Not Classifiable as a Human Carcinogen
 (Xylene)
 ACGIH-A4(1992) : Not Classifiable as a Human Carcinogen
No Teratogenic effects data available
No reproductive toxicity data available
Delayed and immediate effects and also chronic effects from short- and long-term exposure
STOT
 STOT-repeated exposure
 [cat.2]
 [EU CLP name of STOT]
 (Ethylbenzene) hearing organs
No Aspiration hazard data available

12. Ecological Information

Toxicity
No Aquatic toxicity data available
Water solubility
 (Ethylbenzene)
 0.015 g/100 ml (20 C) (ICSC, 2007)
 (Toluene)
 none (ICSC, 2002)
 (Butyl acetate)
 0.7 g/100 ml (20 C) (ICSC, 2003)
Persistence and degradability
 (Toluene)
 BOD_Degradation : 123% (Registered chemicals data check & review, Japan)
 (Butyl acetate)
 Degrade rapidly (BOD_Degradation : 98% (SIDS, 2009))
 (Xylene)
 Not degrade rapidly (BOD_Degradation : 39% (NITE risk primary assessment, 2005))
 (Ethylbenzene)
 Not degrade rapidly (BOD_Degradation : 0% (MITI official bulletin, 1990))
Bioaccumulative potential
 (Ethylbenzene)
 log Kow=3.15 (PHYSPROP Database, 2005)
 (Toluene)
 log Kow=2.73 (PHYSPROP Database, 2008)
 (Butyl acetate)
 log Pow=1.78 (PHYSPROP Database, 2009)
 (Xylene)
 log Pow=3.16 (PHYSPROP Database, 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

Ethylbenzene; Toluene; Butyl acetate; Xylene

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

Specified chemicals Gr.2 Specific organic solvents

Ethylbenzene

Organic Solvents Class II

Xylene; Butyl acetate; Toluene

Organic Solvents Class II (Article 25)

Chemical Substances requiring Labeling and Deliver of Documents, etc.

Labeling, etc.

Ethylbenzene; Xylene; Butyl acetate; Toluene

Report required substances

Ethylbenzene; Xylene; Butyl acetate; Toluene

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

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

Prevention of health problems guidelines published material, Japan

Ethylbenzene

PRTR law, Japan

Listed chemicals Gr.1

Ethylbenzene(1.2%); Xylene(1.2%); Toluene(46%)

Fire Service Act, Japan

Petroleum Gr.1, (Class II)

Chemical Substances Control Law, Japan

Priority Assessment Chemical Substances (PACSS)

Toluene; Ethylbenzene; Xylene

Offensive Odor Control Law, Japan

Toluene; Xylene

Air Pollution Control Law, Japan

Hazardous air pollutants

Ethylbenzene; Xylene

Hazardous air pollutants/Priority chemicals

Toluene

Ship Safety Act

Class 3 : Flammable liquids

Civil Aeronautics Act

Class 3 : Flammable liquids

Water Pollution Control Law, Japan

Listed substance(s)

Toluene(The decree number 25)

Xylene(The decree number 28)



16. Other information

GHS classification and labelling

Flam. Liq. 2: H225 Highly flammable liquid and vapor
Skin Irrit. 2: H315 Causes skin irritation
Repr. 2: H361 Suspected of damaging fertility or the unborn child
STOT SE 3: H336 May cause drowsiness or dizziness
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure
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 is advised to make their own tests to determine 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.