

Safety Data Sheet according to Regulation (EC) No.1907/2006 <Annex II REACH>

1 Identification of the substance and the supplier

Product Identification **B-603 Mr. PREMIUM TOP COAT FLAT (Aerosol)**
Product Code : W1011GF042

Manufacturer's name : GSI Creos Corporation
Address : 3-1, Kudanminami 2-chome, Chiyoda-ku, Tokyo 102-0074, Japan
Business Group in Charge : Hobby Dept.
Phone and facsimile number for information : Tel; +81-03-5211-1805 Fax; +81-03-5211-1902
Emergency Contact : GSI Europe-Import+Export GmbH
Louise-Dumont-Str. 31, 40211 Dusseldorf, Germany /Tel;49-211-166594-0

Classification of Product : Acrylic Coating
General Use : Coating for Plastics
Date prepared : 22/Aug/2016

2 Hazards identification

Classification of the substance or mixture
Classification (REGULATION (EC) No 1272/2008)

Flam. Aerosol Category 1	H222: Extremely flammable aerosol
Acute Toxicity Category 4	H302: Harmful if swallowed
Acute Toxicity Category 4	H312: Harmful in contact with skin
Skin Irritation, Category 2	H315: Causes skin irritation
Eye Damage, Category 1	H318: Causes serious eye damage
Acute Toxicity Category 4	H332: Harmful if inhaled
Specific target organ toxicity - single exposure, Category 3	H335: May cause respiratory irritation
Specific target organ toxicity - single exposure, Category 3	H336: May cause drowsiness or dizziness

Classification (67/548EEC, 1999/45/EC)

Highly Flammable	R12: Extremely flammable
Harmful	R20/21/22: Harmful by inhalation, in contact with skin and if swallowed
Irritant	R37/38: Irritating to respiratory system and skin
Irritant	R41: Risk of serious damage to eyes
	R67: Vapours may cause drowsiness and dizziness

Labelling elements
Labelling (Regulation (EC) No 1272/2008)

Hazardous pictograms



Signal word Danger

Hazard Statements

H222: Extremely flammable aerosol
H229: Pressurized container: may burst if heated
H302: Harmful if swallowed
H312: Harmful in contact with skin
H315: Causes skin irritation
H318: Causes serious eye damage
H332: Harmful if inhaled
H335: May cause respiratory irritation
H336: May cause drowsiness or dizziness

Precautionary statements

Prevention
P102: Keep out of reach of children
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P280: Wear protective gloves/protective clothing/eye protection/face protection

Reaction:
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses if present and easy to do. continue rinsing.

Hazardous components which must be listed on the label:

CAS	111-76-2	2-Butoxyethanol
CAS	78-83-1	2-Methylpropan-1-ol

Other hazards ---

Further information ---

3 Composition/Information on Ingredients

Mixtures

Mixture of solvents in aerosol can

Chemical Name	CAS-No.	EC No.	Registration Number	Classification (67/548/EEC)	Classification (REGULATION (EC) No. 1272/2008)	Conc.(wt%)
Propan-2-ol	67-63-0	200-661-7	01-2119457558-25-XXXX	F; R11 Xi; R36 R67	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	10-20
2-Methylpropan-1-ol	78-83-1	201-148-0	01-2119484609-23-XXXX	R10 Xi; R37/38, 41 R67	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 STOT SE 3; H336	1-5
1-Methoxy-2-propanol	107-98-2	203-539-1	01-2119457435-35-XXXX	R10 R67	Flam. Liq. 3; H226 STOT SE 3; H336	1-5
2-Butoxyethanol	111-76-2	203-905-0	01-2119475108-36-XXXX	Xn; R 20/21/22, 36/38	Acute Tox. 4; H312 Acute Tox. 4; H332 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319	1-5
Ethanol	64-17-5	200-578-6	01-2119457610-43-XXXX	F; R11	Flam. Liq. 2; H225	1-5
Dimethyl ether	115-10-6	204-065-8	01-2119472128-37-XXXX	F+; R12	Press.Gas Flam. Gas 1; H220	60-70

For the full text of the R-phrases mentioned in this section, see section 16.

For the full text of the H-statements mentioned in this section, see section 16.

4 First-Aid measures

[If in Eyes]

- Wash eyes with plenty of water and in case of persistence of irritation, get medical attention.

[If on Skin]

- Wash with plenty of soap and water, and get medical attention immediately.

[If Inhaled]

- If feel unwell because of inhalation, remove to fresh air and keep at rest in a position comfortable for breathing, and call a physician.

[If Swallowed]

- Call a physician immediately.

5 Fire-Fighting measures

Suitable extinguishing media: Water[] CO2[*] Foam[*] Dry chemical[*] Dry sand[*]

Fire fighting method

- Wear proper protective clothes such as heat insulating clothes/gloves/face shield and/or eye protection.
- Use specified extinguishing media.
- Remove combustible material from surrounding area.
- Start fire fighting from windward

- Do not use water as the extinguishing media.

6 Accidental release measures

- Avoid contact with skin. Wear appropriate protective equipment (protective gloves, eye/face protection, apron and long sleeved clothes) when handling spill of this product.
- Wear protective equipment and collect spillage into air-tight container that can be tightly closed. Move the container to a safe place.
- Dispose contaminant and waste in accordance with regulations relative to disposal.
- Eliminate all ignition sources such as heat, sparks, open flames and combustible materials.
- Provide appropriate extinguisher to prepare for fire.
- Do not use steel tools as it may cause impact sparks. Tool should be static free.
- Absorb with dry sand, earth or noncombustible material. In case of large spill, hold back with earth to prevent spreading.
- Avoid release to rivers to prevent effect to environment.

7 Handling and storage

[Cautions on Handling]

- May cause poisoning if on skin or inhaled.
- Keep away from ignition sources such as heat/sparks/open flame, and ventilate work area when handling this product.
- Ventilate work area to prevent inhalation of vapor/fume/spray/dust.
- Avoid contact with skin. Wear protective gloves, eye/face protection and long sleeved clothes if necessary.
- If spilled or leaked, wipe with cloth and discard contaminated materials into a container which is filled with water.
- Dip contaminated cloth, spray dust and/or mist into water until they are discarded properly.
- After use, wash hands and gargle mouth thoroughly.
- Do not use this product other than the purpose specified by the manufacturer/supplier.

[Cautions on Storage]

- Keep container tightly closed. Store in cool and ventilated indoor place. Protect from direct sun light.
- Keep reach out of children.
- Keep away from flame or heat sources.

8 Exposure Controls/Personal Protection

[Facilities Recommendation]

- All facilities should be explosion proof.
- Prevent vapor from retention by installation of a proper ventilator.
- Ground/bond container or receiving equipment for transportation, mixing and/or transferring of this product.
- Do not locate heat/flame generating facilities close to the work area.
- If spray indoor, install coating facilities so that workers are protected from direct exposure to spray mist, or install adequate ventilation.
- For handling in closed tanks, install appropriate ventilator which secures ventilation to the bottom of the tank.

[Protective Equipments]

- Respiratory Protection: Wear gas mask for organic gas. Wear self-contained breathing apparatus in case of operation in closed areas.
- Eye Protection: Wear goggle type of eye protection.
- Skin Protection: Wear appropriate gloves which is impervious to organic solvents and chemicals.
- Other Protection: Work clothes specified by the manufacturer or supplier, and safety shoes.

Threshold Limit of Ingredient

Substance name	JOHSC	ACGIH(TLVs-TWA)
2-Propanol	(MAX)400ppm/ (MAX)980mg/m3	200ppm
isobutyl alcohol	50ppm/ 150mg/m3	50ppm
2-Propanol, 1-methoxy-	No data available	50ppm
Ethanol, 2-butoxy-	25ppm	20ppm
Ethanol	No data available	1000ppm
Silica gel, pptd., cryst.-free	No data available	10mg/m3
Methane, oxybis-	No data available	No data available

* JOHSC : Japan Occupational Health Service Centre

9 Physical and Chemical Properties

Form Liquid[*] Gas[] Solid[]	Color: Slightly milky-white	Solubility: No data available
Odor: Solvent odor	Explosion Limits: 1,1vol% (Lower)	Octanol-Water Partition
pH: Not Applicable	26,7vol% (Upper)	Coefficient: No data available
Melting Point: No data available	Vapor	Ignition Point: 238°C
Boiling Point: -23,6°C	Pressure: 5800Pa(20°C)	Decomposition
Flash Point: -34,5°C	Vapor Density: No data available	Temperature: No data available
	Density: 0.850±0.100g/cm3	Other: None particular

10 Stability and Reactivity

[Reactivity Information]

- Materials to be avoided: Keep away from strong oxides and/or peroxides that will cause polymerization and/or generate heat or fire by mixing or contact.
- Hazardous thermal decomposition products: CO, CO₂, HCl, vapors of solvents.
- Other reactivity information: None.

11 Toxicological Information

Health Hazard Information on Ingredient Table 1

Substance name	Acute toxicity (LD50, LC50, etc.)				
	Oral	Dermal	Inhalation (Gas)	Inhalation (Vapor)	Inhalation (Dust, Mist)
2-Propanol	Not Categorized 3437mg/kg	Not Categorized 4059mg/kg	Not Applicable	Not Categorized 29512ppm	Not Classifiable
isobutyl alcohol	Not Categorized 2596mg/kg	Not Categorized 2523mg/kg	Not Applicable	Category 4 6336ppm	Not Classifiable
2-Propanol, 1-methoxy-	Not Categorized 5200mg/kg	Not Categorized 13000mg/kg	Not Applicable	Category 4 7395ppm	Not Classifiable
Ethanol, 2-butoxy-	Category 4 470mg/kg	Category 3 300mg/kg	Not Applicable	Category 2 450ppm	Not Classifiable
Ethanol	Not Categorized >5,000mg/kg	Not Categorized >20,000mg/kg	Not Applicable	Not Categorized 20661ppm	Not Classifiable
Silica gel, pptd., cryst.-free	Not Categorized	No Data	No Data	No Data	No Data
Methane, oxybis-	Not Classifiable	Not Classifiable	Not Categorized 164000ppmV	Not Applicable	Not Applicable

Health Hazard Information on Ingredient Table 2

Substance name	Skin Corrosion / Irritation	Serious Damage to Eyes / Eye Irritation	Respiratory Sensitization	Skin Sensitization	Germ Cell Mutagenicity	Carcinogenicity
2-Propanol	Not Categorized	Category 2A-2B	Not Classifiable	Not Classifiable	Not Categorized	Not Categorized
isobutyl alcohol	Category 2	Category 2A	Not Classifiable	Not Classifiable	Not Categorized	Not Classifiable
2-Propanol, 1-methoxy-	Not Categorized	Category 2B	Not Classifiable	Not Classifiable	Not Categorized	Not Categorized
Ethanol, 2-butoxy-	Category 2	Category 2A	Not Classifiable	Not Categorized	Not Categorized	Not Categorized
Ethanol	Not Categorized	Category 2B	Not Classifiable	Not Classifiable	Category 1B	Not Classifiable
Silica gel, pptd., cryst.-free	No Data	No Data	No Data	No Data	No Data	No Data
Methane, oxybis-	Not Classifiable	Not Classifiable	Not Classifiable	Not Classifiable	Not Classifiable	Not Classifiable

Health Hazard Information on Ingredient Table 3

Substance name	Reproductive toxicity	Specific Target Organ (Single Exposure)
2-Propanol	Category 2	Category 1 (Central nervous system, Kidney, Systemic toxicology)
isobutyl alcohol	Not Categorized	Category 3 (Respiratory tract irritation, Narcotic effects)
2-Propanol, 1-methoxy-	Not Categorized	Category 3 (Narcotic effects)
Ethanol, 2-butoxy-	Category 2	Category 1 (Central nervous system, Blood, Kidney, Liver)
Ethanol	Category 1A	Category 3 (Respiratory tract irritation, Narcotic effects)
Silica gel, pptd., cryst.-free	No Data	
Methane, oxybis-	Not Classifiable	Category 3 (Narcotic effects)

Health Hazard Information of Ingredient Table 4

Substance name	Specific Target Organ (Repeat Exposure)	Aspiration/Respiratory Toxicity
2-Propanol	Category 2 (Blood vessel, Liver, Spleen)	Not Categorized
isobutyl alcohol	Not Categorized	Not Categorized
2-Propanol, 1-methoxy-	Not Categorized	Not Classifiable
Ethanol, 2-butoxy-	Category 2 (Blood)	Not Classifiable
Ethanol	Category 1 (Liver)	Not Classifiable
Silica gel, pptd., cryst.-free		Not Classifiable
Methane, oxybis-	Not Classifiable	Not Classifiable

12 Ecological information

Aqueous Milieu Hazard Information on Ingredient

Substance name	Hazardous to Aquatic Environment (Acute)	Hazardous to Aquatic Environment (Chronic)
2-Propanol	Not Categorized	Not Categorized
isobutyl alcohol	Not Categorized	Not Categorized
2-Propanol, 1-methoxy-	Not Categorized	Not Categorized
Ethanol, 2-butoxy-	Not Categorized	Not Categorized
Ethanol	Not Categorized	Not Categorized
Silica gel, pptd., cryst.-free	No Data	Not Classifiable
Methane, oxybis-	Not Categorized	Not Categorized

13 Disposal Considerations

- Content should be used up before disposal of container.
- Container/content should be disposed in accordance with local, regional and national regulations.

14 Transport Information

General Information: Follow general instructions described in the "Precautions on Handling and Storage".
 Ground Transportation: Transportation must be done in accordance with the appropriate regulations in case this product falls under a category of regulations such as Fire Service Law (Japan), Industrial Safety and Health

Marine Transportation: Law (Japan), etc.
Comply stipulation of appropriate maritime regulations.
Air Transportation: Comply stipulations of appropriate air transportation regulations.
UN Number: 1950

15 Regulatory Information

Particular hazards associated with the preparation and safety recommendations:

Industrial Safety and Health Law (Japan) : Contains indicative/notifiable substance , Dangerous goods (Inflammable Liquid)
Ordinance on Prevention of Organic Solvent Poisoning : Contains Category II organic solvent
Pollutant Release and Transfer Register : Does not contain any categorized chemical substance.
Fire Service Law (Japan) : 1st Petroleum Group in Class 4 Hazardous Materials, Hazard Class II
Ship Safety Law (Japan) : Inflammable Liquid, Low Flash Point Group
Aviation Law : Inflammable Liquid

16 Other Information

Full text risk of R-phrases referred to under sections 2 and 3:

R10: Flammable
R11: Highly flammable
R12: Extremely flammable
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed
R36: Irritating to eyes
R36/38: Irritating to eyes and skin
R37/38: Irritating to respiratory system and skin
R41: Risk of serious damage to eyes
R67: Vapours may cause drowsiness and dizziness

Full text risk of H-statements referred to under sections 2 and 3:

H220: Extremely flammable gas
H222: Extremely flammable aerosol
H225: Highly flammable liquid and vapour
H226: Flammable liquid and vapour
H229: Pressurized container: may burst if heated
H302: Harmful if swallowed
H312: Harmful in contact with skin
H315: Causes skin irritation
H318: Causes serious eye damage
H319: Causes serious eye irritation
H332: Harmful if inhaled
H335: May cause respiratory irritation
H336: May cause drowsiness or dizziness
EUH066: Repeated exposure may cause skin dryness or cracking

Full text risk of R-phrases referred to under sections 2 and 3:

R10: Flammable
R11: Highly flammable
R12: Extremely flammable
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed
R36/38: Irritating to eyes and skin
R37/38: Irritating to respiratory system and skin
R41: Risk of serious damage to eyes
R67: Vapours may cause drowsiness and dizziness

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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