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

1 Identification of the substance and the supplier

B-602 Mr. PREMIUM TOP COAT SEMI GLOSS (Aerosol) Product Identification

Product Code: W1011GF043

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 Düsseldorf, Germany /Tel: +49-211-166594-0

: Acrylic Coating Classification of Product General Use : Coating for Plastics Date prepared : 12/Sep/2017

### 2 Hazards identification

Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flam. Aerosol Category 1 H222: Extremely flammable aerosol Acute Toxity Category 4 H302: Harmful if swallowed Acute Toxity Category 4 H312: Harmful in contact with skin Skin Irritation, Category 2 H315: Causes skin irritation H318: Causes serious eye damage Eye Damage, Category 1

Acute Toxity Category 4 H332: Harmful if inhaled H335: May cause respiratory irritation

Specific target organ toxicity - single

exposure, Category 3

Specific target organ toxicity - single

exposure, Category 3

H336: May cause drowsiness or 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 smok

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:

111-76-2 2-Butoxyethanol CAS 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 (REGULA- TION (EC) No. 1272/2008	Conc.(wt%)
Propan-2-ol	67-63-0	200-661-7	01- 2119457558- 25-XXXX	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	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	Flam. Liq. 3; H226 STOT SE 3; H336	1-5
2-Butoxyethanol	111-76-2	203-905-0	01- 2119475108- 36-XXXX	Acute Tox. 4; H312 Acute Tox. 4; H332 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319	1-5
2-Ethoxy-Ethanol	110-80-5	203-804-1	603-012-00- X	Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 3; H331 Repr. 1B; H360 (FD)	0,2
Ethanol	64-17-5	200-578-6	01- 2119457610- 43-XXXX	Flam. Liq. 2; H225	1-5
Dimethyl ether	115-10-6	204-065-8	01- 2119472128- 37-XXXX	Press.Gas Flam. Gas 1; H220	60-70

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

 $\boldsymbol{\cdot}$  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
Ethanol, 2-ethoxy-	5ppm/ 18mg/m3	5ppm
Methane, oxybis-	No data available	No data available

<sup>\*</sup> JOHSC: Japan Occupational Health Service Centre

# 9 Physical and Chemical Properties

Form Liquid[\*] Gas[ ] Solid[ ] Color: Clear 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: 23,0°C Vapor Density: No data available Temperature: No data available Density: 0.800±0.100g/cm3 Other: No ne 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

Substance name	Acute toxicity (LD50, LC50, etc.)					
Substance name	Oral	Dermal	Inhalation (Gas)	Inhalation (Vapor)	Inhalation (Dust, Mist)	
2-Propanol	Not Categorized	Not Categorized	Not Applicable	Not Categorized	Not Classifiable	
2-1 Topanoi	3437mg/kg	4059mg/kg		29512ppm		
isobutyl alcohol	Not Categorized	Not Categorized	Not Applicable	Category 4	Not Classifiable	
	2596mg/kg	2523mg/kg		6336ppm		
2-Propanol, 1-methoxy-	Not Categorized	Not Categorized	Not Applicable	Category 4	Not Classifiable	
Z-FTOPAHOI, T-ITIELHOXY-	5200mg/kg	13000mg/kg		7395ppm		
Ethanol, 2-butoxy-	Category 4	Category 3	Not Applicable	Category 2	Not Classifiable	
Linanoi, 2-buloxy-	470mg/kg	300mg/kg		450ppm		
Ethanol	Not Categorized	Not Categorized	Not Applicable	Not Categorized	Not Classifiable	
Ethanoi	>5,000mg/kg	>20,000mg/kg		20661ppm		
Ethanol, 2-ethoxy-	Not Categorized	Not Categorized	Not Applicable	Category 4	Not Classifiable	
Ethanol, 2-ethoxy-	3017 mg/kg	3311 mg/kg		4267 ppm		
Methane, oxybis-	Not Classifiable	Not Classifiable	Not Categorized	Not Applicable	Not Applicable	
inictialic, oxypis-			164000ppmV			

Health Hazard Information on Ingredient Table 2

Treath Tracer a mile matter on my realistic Table 2					
Skin Corrosion · Irritation	Serious Damage to Eyes /Eye Irritation	Respiratory Sensitization	Skin Sensitization	Germ Cell Mutagenicity	Carcinogenicity
Not Categorized	Category 2A-2B	Not Classifiable	Not Classifiable	Not Categorized	Not Categorized
Category 2	Category 2A	Not Classifiable	Not Classifiable	Not Categorized	Not Classifiable
Not Categorized	Category 2B	Not Classifiable	Not Classifiable	Not Categorized	Not Categorized
Category 2	Category 2A	Not Classifiable	Not Categorized	Not Categorized	Not Categorized
Not Categorized	Category 2B	Not Classifiable	Not Classifiable	Category 1B	Not Classifiable
Not Categorized	Category 2B	Not Classifiable	Not Classifiable	Not Categorized	Not Classifiable
Not Classifiable	Not Classifiable	Not Classifiable	Not Classifiable	Not Classifiable	Not Classifiable
	Not Categorized Category 2 Not Categorized Category 2 Not Categorized Not Categorized	Not Categorized Category 2 Category 2 Not Categorized Category 2 Category 2 Category 2 Category 2 Not Categorized Category 2 Not Categorized Category 2B Category 2B Category 2B	Not Categorized Category 2A-2B Not Classifiable Category 2 Category 2A Not Classifiable Not Categorized Category 2B Not Classifiable Category 2 Category 2A Not Classifiable Not Categorized Category 2B Not Classifiable Not Categorized Category 2B Not Classifiable Not Categorized Category 2B Not Classifiable	Not Categorized Category 2A-2B Not Classifiable Not Classifiable Category 2 Category 2A Not Classifiable Not Categorized Category 2B Not Classifiable Not Category 2 Category 2A Not Classifiable Not Categorized Not Categorized Category 2B Not Classifiable Not Categorized Category 2B Not Classifiable Not Classifiable Not Categorized Category 2B Not Classifiable Not Classifiable Not Classifiable	Skin Corrosion · Irritation Secus Designe Style Equi Institution Skin Sensitization Skin Sensitization Germ Cell Mutagenicity Not Categorized Category 2A-2B Not Classifiable Not Classifiable Not Categorized Category 2 Not Classifiable Not Classifiable Not Categorized Not Categorized Category 2B Not Classifiable Not Categorized Not Category 2 Category 2A Not Classifiable Not Categorized Not Categorized Category 2 Not Categorized Not Categorized Category 2B Not Classifiable Not Classifiable Category 1B Not Categorized Category 2B Not Classifiable Not Classifiable Not Categorized Not Classifiable Not Clas

Health Hazard Information on Ingredient Table 3

Tibulat Flazara Information on Ingrodient Table 6		
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)
Ethanol, 2-ethoxy-	Category 1B	Category 1 (Central nervous system, Kidney, Liver, Spermary)
Methane, oxybis-	Not Classifiable	Category 3 (Narcotic effects)

Health Hazard Information of Ingredient Table 4

Health Hazara Information of Ingredient Table 1		
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
Ethanol, 2-ethoxy-	Category 1 (Spermary, Haematopoietic systems)	Not Classifiable

# 12 Ecological information

Aqueous Milieu Hazard Information on Ingredient

Aqueous Milleu 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
Ethanol, 2-ethoxy-	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

Law (Japan), etc.

Marine Transportation: Comply stipulation of appropriate maritime regulations.

Air Transportation: Comply stipulations of appropriate air transportation regulations.

UN Number: 1950
Proper Shipping name: Aerosol
Class: 3
Packing Group: III

### 15 Regulatory Information

Particular hazards associated with the preparation and safety recommendations:

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### 16 Other Information

Full text risk of H-statemens 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

H360: May damage fertility or the unborn child

EUH066: Repeated exposure may cause skin dryness or cracking

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.

Parts of the Safety Data Sheet marked with red line have been updated.