

MATERIAL SAFETY DATA SHEET

This information sheet is in the format as devised for General Products under the The General Product Safety Regulations 2005

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1.2. Use of substance/preparation TOP COAT

1.4. Emergency telephone 111 (emergency number)

Section 2: Hazards Identification

2.1. Classification of the substances or composition

Classification according to WE/1272/2008 (CLP):

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

2.2. Labelling

GHS/CLP Classification



Signal word: Warning

Hazard statements:

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Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P233 Keep container tightly closed.

P235 Keep cool.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection. P403 Store in a well-ventilated place.

2.3. Other hazards

Not determined.

Section 3: Composition/ Information of ingredients

3.1. Substance

Not include.

3.2. Composition

Chemical Identity and concentration range				CAS No	WE No	GHS/CLP	Classification
Acrylates Copolymer				25.0-50.0%	25133-97-5	N/E	STOT SE 3 H335 Aquatic Chronic 2 H411
Eye Irrit. 2 H319							
Polysilicone-13				10.0-25.0%	158451-77-5	N/E	Skin Irrit. 2 H315
Trimethylolpropane Triacrylate				10.0-25.0%		204-658-1	
15625-89-5				239-701-3	Isopropyl Alcohol	5.0-10.0%	Skin Sens. 1 H317 Eye Irrit. 2 H319 Flam. Liq. 2 H225; Eye Irrit. 2 H319; STOT SE 3 H336 Flam. Liq. 3 H226; STOT SE 3 H336; EUH 066
67-63-0				200-661-7	Butyl Acetate	1.0-5.0%	123-86-4
Hydroxycyclohexyl Phenyl Ketone				1.0-3.0%	947-19-3	213-426-9	N/E CI 60725 0.0-1.0% 81-48-1 201-353-5
							Skin Sens. 1 H317 Full text of H-phrases is provided in section 16.

Section 4: First aid measures

4.1. Description of first aid measures

First aid for skin:

Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical attention if symptoms occur.

First aid for eye:

Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

First aid in case of ingestion:

Do not induce vomiting. Keep individual calm. Get medical attention immediately.

First aid in case of inhalation:

Remove to fresh air. If symptoms develop and persist, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact:

May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact.

Eye contact:

Irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.

Ingestion:

If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.

Inhalation:

Vapors of this product may be slightly irritating to the nose and throat. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing.

4.3. Indication of any immediate medical attention and special treatment needed After a thorough examination of the casualty the doctor decides what rescue proceedings should be taken.

Section 5: Fire-fighting Measures

5.1. Extinguishing media

Use foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Hazardous combustion products: oxides of carbon, oxides of nitrogen, irritating organic vapors, toxic fumes.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus and complete personal protective equipment.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

6.2. Environmental precautions

Remove sources of ignition. Prevent product from entering drains or open waters.

6.3. Methods and material for containment and cleaning up

Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance regulations. Remove any contaminated clothing and wash thoroughly before reuse. Use ONLY non-sparking tools.

6.4. Reference to other sections

Disposal of the product - Section 13

Personal protection – Section 8

Section 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin, eyes and breathing vapours. Keep container closed when not in use. Remove all contaminated clothing, shoes, belts and other leather goods immediately. Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling.

7.2. Conditions for safe storage, including any incompatibilities

For safe storage, store at or below 26°C (80°F). Store in a cool, dry place, away from heat. Keep this materials away from heat, sparks and open flame. Keep containers tightly closed when not in use.

7.3. Specific end use(s)

No data.

Section 8: Exposure controls/ personal protection

8.1. Control parameters

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

8.2. Exposure controls

To identify additional Personal Protective Equipment requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product.

8.2.1. Occupational exposure controls

Respiratory tract protection

Use COSHA approved respirator if there is potential to exceed exposure limit(s). If this material is handled at elevated temperatures or under mist forming conditions, without engineering controls, a COSHA approved respirator must be used.

Hand protection

Wear impervious gloves (recommended material: neoprene).

Eye protection

Safety goggles or safety glasses with side shields. In a splash hazard environment, chemical goggles should be used in combination with a full face shield.

Skin protection

Wear appropriate protective clothing to prevent skin exposure.

8.2.2. Environmental exposure controls

Do not empty into drains. Do not flush into surface water or sanitary sewer system.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance transparent liquid ***Odour & Odour Threshold*** characteristic odor ***pH*** no data
Viscosity no data
Decomposition/Temperature no data
Octanol/Water Partitioning Coefficient Log Po/w no data
Vapour Pressure: no data
Vapour Density no data
Evaporation Rate no data
Ignition no data
Solubility In Water (20°C) no data
Flash Point(°F/°C) no data
Flammable Limit (vol%) no data
Auto-ignition Temperature no data

9.2. Other information

No data.

Section 10: Stability and reactivity

10.1. Reactivity

The product is stable under recommended transport or storage conditions.

10.2. Chemical stability

The product is stable under recommended transport or storage conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization may occur.

10.4. Conditions to avoid

Heat, flames, sparks and other sources of ignition. Do not heat above 26°C(80°F).

10.5. Incompatible materials

Strong acids. Strong oxidizing agents. Bases.

10.6. Hazardous decomposition products

Oxides of carbon. Oxides of nitrogen. Dimethylamine. Irritating organic vapors.

Section 11: Toxicological information

11.1. Information on toxicological effects:

Acute Oral Toxicity No information available

Acute Dermal Toxicity No information available

Acute Inhalation Toxicity No information available

Skin contact: May cause irritation

Eye contact: May cause irritation

Ingestion: May cause nausea, vomiting, diarrhea

Inhalation: May cause drowsiness, dizziness, headaches, nausea

Sensitization N/DA

Mutagenicity N/DA

Sub-chronic Toxicity N/DA

Section 12: Ecological Information

12.1. Toxicity

No data.

12.2. Persistence and degradability

No data.

12.3. Bioaccumulative potential

No data.

12.4. Mobility in soil

No data.

12.5. Results of PBT assessment

Not applicable.

12.6. Other adverse effects

No data.

Section 13: Disposal considerations

13.1. Waste treatment methods

Do not allow to enter natural environment. Dispose of waste material in accordance with local and national regulations.

Section 14: Transport information

14.1. UN number

The product is not classified as dangerous during transport.

14.2. UN proper shipping name

The product is not classified as dangerous during transport.

14.3. Transport hazard class(es)

The product is not classified as dangerous during transport.

14.4. Packing group

The product is not classified as dangerous during transport.

14.5. Environmental hazards

No data.

14.6. Special precautions for user

No data available.

Section 15: Regulatory information

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP and ODS's), • Benzophenone, CAS# 119-61-9 (SOCMI)
Clean Water Act: Priority <u>Pollutant</u> as defined by the U.S. Clean Air Act:	This product contains no chemicals listed under the U. S. Clean Water Act <u>Priority Pollutant List</u> .
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / <u>or</u> <u>other applications as an indirect food additive.</u>
Occupational Safety and Health Act Hazard Communication Standard. Its hazards are: • Immediate (acute) health hazard	This product is considered to be a hazardous chemical under the OSHA • Delayed (chronic) health hazard • <u>Reactive hazard</u>
SARA Title III: Section 302 (<u>TPQ</u>) This product contains no chemicals regulated under	<u>RCRA This product is not considered to be a hazardous waste (40 CFR 261)</u> Sec. 302 as extremely <u>hazardous substances</u> .
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 304 as extremely <u>hazardous chemical for emergency release notification (" CERCLA" List)</u> This product is considered hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are:
SARA Title III: Section 311-312:	Inventory:
SARA Title III: Section 313:	• Immediate (acute) health hazard • Delayed (chronic) health hazard • <u>Reactive hazard</u>
TSCA Section 8(b): Inventory: TSCA Significant New Use <u>Rule</u> :	This product contains no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act <u>of</u> <u>1986 and 40 CFR Part 372.</u>
International Regulations: EINECS: European	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements. <u>None of the</u> <u>chemicals listed have a SNUR under TSCA..</u>

Hazard statements: **H302** Harmful if swallowed; **H315** Causes skin irritation; **H317** May cause an allergic skin reaction; **H319** Causes serious eye irritation; **H335** May cause respiratory irritation; Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking; **P233** Keep container tightly closed; **P235** Keep cool; **P270** Do not eat, drink or smoke when using this product; **P280** Wear protective gloves/protective clothing/eye protection/face protection; **P403** Store in a well-ventilated place

Section 16: Other information

Full range of H-Phrases from Section 2 and 3.

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