



Material Safety Data Sheet

Technailogy-MSDS-013

Data effective 1/12/2018

Section 1. Identification

Product Number	013
Product Information	Velvet Matte Top Coat
Supplier Name	Technailogy LTD
Address	Portadown, Northern Ireland
Phone	07715206432
Emergency Contact	07715206432

Section 2. Composition/Information on ingredients

Chemical components	Cas no.	INCI name	Content
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	41137-60-4	DI-HEMA TRIMETHYLHEXYL DICARBAMATE	30-40%
PEG-4 DIMETHACRYLATE	109-17-1	PEG-4 DIMETHACRYLATE	15-20%
HYDROXYPROPYL METHACRYLATE	27813-02-1	HYDROXYPROPYL METHACRYLATE	15-20%

HEMA	868-77-9	HEMA	20-25%
HYDROXYCYCLOHEXYL PHENYL KETONE	947-19-3	HYDROXYCYCLOHEXYL PHENYL KETONE	3-5%
SILICA	7631-86-9	SILICA	3-5%
VIOLET 2	81-48-1	VIOLET 2	0-1%

Section 3. Hazards identification

WARNING: HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED.

DO NOT SPRAY. DO NOT HEAT. MAY CAUSE ALLERGIC SKIN REACTION.

CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

Physical state: Liquid HEALTH: 1*

Color: Transparent FLAMMABILITY: 2

Odor: light PHYSICAL HAZARD: 1

Personal Protection: See Section 8

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Skin contact: Contact skin will cause irritation.

Eye contact: Contact with eyes will cause irritation.

Section 4. First aid measures

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

Skin Contact: 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.

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

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

Section 5. Fire fighting measures

Flash point: > 87C

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special fire fighting procedures: Wear self-contained breathing apparatus and full protective clothing,
such as turn-out gear.

Unusual fire or explosion hazards: Uncontrolled polymerization may occur at high temperatures resulting
in explosions or rupture of storage containers.

Hazardous combustion products: Oxides of carbon. Oxides of nitrogen. Irritating organic vapors. Toxic fumes.

Section 6. Accidental release measures

Clean-up Methods: Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

Environmental Protection: Prevent diffusion, Prevent entry into the sewage system or open waters.

Section 7. Handling and storage

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly

after handling. DO NOT heat or spray. Use only with adequate ventilation. Refer to Section 8. Use only in area provided with appropriate exhaust ventilation.

Storage: For safe storage, store at or below 30°C (86°F). Keep in a cool, well ventilated area away from heat,

sparks and open flame. Keep container tightly closed until ready for use.

Incompatible products: Refer to Section 10.

Section 8. Exposure controls/personal protection

Engineering controls: Local exhaust ventilation is recommended when general ventilation is not sufficient

to control airborne contamination below occupational exposure limits.

Respiratory 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.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact.

Neoprene gloves.

Eye/face 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.

Section 9. Physical and chemical properties

Appearance: Transparent Liquid Boiling Point/ Boiling Range: No data

Odor: Light Specific Gravity: 0.95—1.15 (water=1.00)

pH: Not applicable Water solubility: Slight

Section 10. Stability and reactivity

Stability: Stable under normal conditions of storage and use.

Conditions to Avoid: Elevated temp, sunlight & other UV sources.

Hazardous Polymerization: May occur.

Incompatibility: Peroxides, oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon. Oxides of nitrogen.

Irritating organic vapors.

Section 11. Toxicological information

Carcinogen Status

Hazardous Components	NTP Carcinogen	IARC Carcinogen	COSHA Carcinogen
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	NO	NO	NO
PEG-4 DIMETHACRYLATE	NO	NO	NO
HYDROXYPROPYL METHACRYLATE	NO	NO	NO
HEMA HYDROXYCYCLOHEXYL PHENYL KETONE	NO NO	NO NO	NO NO
VIOLET 2	NO	NO	NO

Literature Referenced Target Organ & Other Health Effects	
Hazardous components	Health Effects/Target Organs
DI-HEMA TRIMETHYLHEXYL DICARBAMATE	No Records
PEG-4 DIMETHACRYLATE	No Records
HYDROXYPROPYL METHACRYLATE	No Records
HEMA	No Records

HYDROXYCYCLOHEXYL PHENYL KETONE	No Records
VIOLET 2	No Records

Section 12. Ecological information

Ecological testing has not been conducted on this product.

Section 13. Disposal considerations

Recommended Method of Disposal: Disposal should be in accordance with existing Chinese environmental regulations.

ECE Hazardous Waste Number: Not a RCRA hazardous waste.

Section 14. Transport information

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified).

Shipping classification may be different for bulk packaging.

P.R.C Department of Transportation Ground :

Proper shipping name: Unrestricted

Hazard class or division: None

Identification number: None

Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Unrestricted

Hazard class or division: None

Identification number: None

Packing group: None

Water Transportation (IMO/IMDG):

Proper shipping name: Unrestricted

Hazard class or division: None

Identification number: None

Packing group: None

Marine pollutant: None

Section 15. Regulatory information

P.R.C Regulatory Information

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

Section 16. Other information

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable.

However, Technailogy does not assume responsibility for any results obtained by persons over whose methods

Technailogy has no control. It is the user's responsibility to determine the suitability of Technailogy's products or any

production methods mentioned herein for a particular purpose, and to adopt such precautions as may be

advisable for the protection of property and persons against any hazards that may be involved in the handling

and use of any of Technailogy's products. In light of the foregoing, Technailogy LTD specifically disclaims all

warranties, express or implied, including warranties of merchantability and fitness for a particular purpose,

arising from sale or use of Technailogy LTD products. Technailogy LTD further disclaims any liability

for consequential or incidental damages of any kind, including lost profits.

