SAFETY DATA SHEET

11561 Westminster Ave
Garden Grove, CA 92843

Office: 714-554-8880
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US Hazmat Emergency: 800-373-7542
Intl Hazmat Emergency: +1-484-951-2432

SECTION 1. IDENTIFICATION

Brand: Cre8tion

Trade Name: Mango Monomer Liquid

Product Number:

Mango Monomer Liquid 8oz: 01563

Mango Monomer Liquid 16oz: 01703

Mango Monomer Liquid 32oz: 01130

Mango Monomer Liquid 1gal: 01129

Address: 11561 Westminster Ave, Garden Grove, CA 92843

SECTION 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Flammable liquids (Category 2), H225

Acute toxicity, Oral (Category 3), H301

Acute toxicity, Inhalation (Category 3), H331

Acute toxicity, Dermal (Category 3), H311

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Skin sensitisation (Category 1), H317

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

Specific target organ toxicity - repeated exposure (Category 2), H373

Acute aquatic toxicity (Category 3), H402

Chronic aquatic toxicity (Category 3), H412

GHS LABEL



SIGNAL WORD: DANGER

Hazard statement(s)

H225 Highly flammable liquid and vapour

H227 Combustible liquid

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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.

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

P264 Wash skin thoroughly after handling.

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

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing.

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

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P314 Get medical advice/ attention if you feel unwell.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P321 Specific treatment (see supplemental first aid instructions on this label).

P330 Rinse mouth.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P361 Remove/Take off immediately all contaminated clothing.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

Prevention:

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Vol. %	CAS
Methyl methacrylate	80-98	80-62-6
Ethyl methacrylate	1-5	97-63-2
Hydroxypropyl methacrylate	0.2-5	27813-02-1
Tetraethylene glycol dimethacrylate	0.2-5	109-17-1
N,N-Dimethyl-p-toluidine	0.2-5	99-97-8

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Clean-up methods: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage temperature: 2 - 8 °C

Light sensitive. Heat sensitive.

Specific end use(s): Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits

Component	CAS-No.	Value	Control parameters	Basis
N,N-Dimethyl-p toluidine	99-97-8	TWA	0.5 ppm	USA. Workplace Environmental Exposure Levels (WEEL)
Methyl methacrylate	80-62-6	TWA	50 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	100 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	100 ppm 410 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	100 ppm 410 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	100 ppm 410 mg/m3	USA. NIOSH Recommended Exposure Limits

Exposure controls

Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-prof ventilation equipment.

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Personal protective equipment.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN14287) respirator cartridges as a backup to engineering controls if the respirator is the sole means of protection, use a full0face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH or CEN

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid
Odor: ester-like
Odor threshold (ppm): no data available
pH: no data available
Melting point/freezing point: -48
Solubility: no data available
Initial boiling point and boiling range: 100^{o}C
Flash point: 9^{o}C (closed cup)
Evaporation rate: no data available
Flammability: no data available
Upper/lower flammability or explosive limits: 12.5 – 2.1
Vapor pressure: 51.3 hPa (15mHg) @ 20 ^{o}C

Vapor density: 3.46-5.42
Relative density: no data available
Solubility: no data available
Partition coefficient: n-octanol/water: 1.38
Auto-ignition temperature: 421
Decomposition temperature: no data available
Viscosity: no data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity
No data available
10.2 Chemical stability
Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions
Vapors may form explosive mixture with air.
10.4 Conditions to avoid
Heat, flames and sparks. Extremes of temperature and direct sunlight.
10.5 Incompatible materials
Strong oxidizing agents, Strong acids, Strong bases, Acid chlorides, Acid anhydrides
10.6 Hazardous decomposition products
Carbon oxides.
In the event of fire: see section 5

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Substance/Ingredient	Test results	Species	Time
Ethyl methacrylate	LD50 Oral 13,424 mg/kg LC50 Inhalation 8300 ppm	rat rat	 4 h
Hydroxypropyl methacrylate	Not available		
N,N-Dimethyl-p-toluidine	LD50 intraperitoneal 212 mg/kg	Mouse	
Tetraethylene glycol dimethacrylate	LD50 Dermal 3,000 mg/kg	Rabbit	
Methyl methacrylate	LD50 Oral 7872 mg/kg LD50 Inhalation 78,00 mg/m3 LD Dermal 5,000 mg/kg	Rat Rat Rabbit	 4 h

Substance/Ingredient	Skin corrosion/irritation	Eye damage/irritation	Respiration sensitization	Skin sensitization
Ethyl methacrylate	Not available	Not available	Not available	Not available
Hydroxypropyl methacrylate	Not available	Not available	Not available	Not available

N,N-Dimethyl-p-toluidine	Not available	Not available	Not available	Not available
Tetraethylene glycol dimethacrylate	Mild skin irritation	Not available	Not available	Not available
Methyl methacrylate	Not available	Not available	Not available	Not available

Description of the delayed, immediate, or chronic effects from short and long term exposure

Specific target organ toxicity – single exposure

May cause respiratory irritation.

Specific target organ toxicity – repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Chronic health effects

Substance/Ingredient	Germ Cell mutagenicity	Carcinogenicity	Reproductive toxicity
Ethyl methacrylate	Negative(fibroblast hamster)	No known significant effects	Not available
Hydroxypropyl methacrylate	no data available	No known significant effects	Not available
N,N-Dimethyl-p-toluidine	no data available	No known significant effects	Not available
Tetraethylene glycol dimethacrylate	Rat and mouse DNA damage	No known significant effects	Not available
Methyl methacrylate	no data available	IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Methyl methacrylate)	Not available

Aspiration hazard

no data available

Additional Information

Central nervous system depression, Drowsiness, Irritability, Dizziness, Ataxia., narcosis

Liver - Irregularities - Based on Human EvidenceAldrich - W400201 Page 7 of 8

Liver - Irregularities - Based on Human Evidence

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Substance/Ingredient	Test	Species	Exposure	Skin sensitization
Ethyl methacrylate	LC50 100mg/l EC50 66 mg/l EC50 110mg/l	Salmo gairdneri Daphnia	96 h 48 h 72 h	
Hydroxypropyl methacrylate	n/a			
N,N-Dimethyl-p-toluidine	LC50 46-52 mg/l	Pimephales promelas	96 h	

Tetraethylene glycol dimethacrylate	n/a		
Methyl methacrylate	LC50 125.5-275.0 mg/l EC50 720 mg/l EC50 170 mg/l	Pimephales promelas Daphnia Pseudokirchneriella subcapitata	96 h 96 h 96 h

Persistence and degradability

Substance/Ingredient	Persistence/degradable
Methyl methacrylate	n/a
Hydroxypropyl methacrylate	n/a
N,N-Dimethyl-p-toluidine	n/a
Tetraethylene glycol dimethacrylate	n/a
Methyl methacrylate	n/a

Bioaccumulative potential

n/a

Mobility in soil

n/a

PBT and vPVB assessment

n/a

Other adverse effects

N,N-Dimethyl-p-toluidine are harmful to aquatic life

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

SECTION 14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: M Ethyl methacrylate, Stabilized

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1247

PACKING GROUP: II

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 1000 ob.

LABEL: Flammable

SECTION 15. REGULATORY INFORMATION

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the

threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

Ethyl methacrylate, Methyl methacrylate

Pennsylvania Right To Know Components

Ethyl methacrylate, methacrylic acid, monoester with propane-1,2-diol, N,N-Dimethyl-p-toluidine, 3,6,9-Trioxaundecamethylene dimethacrylate, Methyl methacrylate

New Jersey Right To Know Components

Ethyl methacrylate, methacrylic acid, monoester with propane-1,2-diol, N,N-Dimethyl-p-toluidine, 3,6,9-Trioxaundecamethylene dimethacrylate, Methyl methacrylate

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

Please confirm with state and/or country authorities to make sure that this product is legal to sell or use. TS Cosmetic will not be liable or responsible for any products that are not legal to sell or use in your state and/or country.

HMIS Rating

Health hazard: 3

Chronic Health Hazard:*

Flammability: 3

Physical Hazard 0

NFPA Rating

Health hazard: 3

Fire Hazard: 3

Reactivity Hazard: 0