# SAFETY DATA SHEET

11561 Westminster Ave
Garden Grove, CA 92843

Office: 714-554-8880
Fax: 714-554-8887

US Hazmat Emergency: 800-373-7542
Intl Hazmat Emergency: +1-484-951-2432

## SECTION 1. IDENTIFICATION

Brand: Cre8tion

Trade Name: Student Odorless Monomer Liquid 4oz

Product Number: 01448

Address: 11561 Westminster Ave, Garden Grove, CA 92843

## SECTION 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS**
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Skin sensitization (Category 1), H317
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
**SIGNAL WORD:** Warning
**Hazard statement(s)**
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
**Precautionary statement(s)**
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.
P280 Wear protective gloves/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
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.
P321 Specific treatment (see supplemental first aid instructions on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.
**Prevention:** n/a

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | Vol. % | CAS |
|---|---|---|
| 2-Hydroxyethyl Methacrylate | 60-100 | 868-77-9 |
| Triethylene Glycol Dimethacrylate | 15-40 | 109-16-0 |

Note this material contains an inhibitor (HQ, MEHQ, etc) at <1%. The type and amount meet product specifications. Contact manufacturer
for exact concentration and details on inhibitor level maintenance.

## 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

**Extinguishing media**
**Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
**Special hazards arising from the substance or mixture**
Carbon oxides
**Advice for firefighters**
Wear self-contained breathing apparatus for firefighting if necessary.
**Further information**
n/a

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe
areas.
**Environmental precautions**
Do not let product enter drains.
**Methods and materials for containment and cleaning up**
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling**
Keep away from heat, sparks, and flame. Keep container closed after each use. Refer to Section 8 for suggested exposure controls
and personal protection. Observe precautions found on label. Avoid contact with skin, eyes and clothing. Use good personal hygiene
and housekeeping. Do not use localized heat source such as band heaters to heat/melt product. Do not use steam. Hot boxes or hot
rooms are recommended for heating the product which can be set at a maximum temperature of 60ºC/140ºF.
**Conditions for safe storage, including any incompatibilities**
Store containers in a cool, dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat.
Store in accordance with National Fire Protection Association recommendations. Check inhibitor levels periodically, adding to the bulk
material if needed. Maintain at a minimum, the original 2-inch headspace in the product container and do not blanket or mix with
oxygen-free gas as it renders the inhibitor ineffective.
**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**
Contains no substances with occupational exposure limit values.
**Exposure controls**
**Appropriate engineering controls**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
**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**

Do not let product enter drains.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance** | Clear, water white liquid |
| **Odor** | Mild ester-like |
| **Odor threshold** | no data available |
| **pH** | no data available |
| **Melting point/freezing point** | no data available |
| **Solubility** | no data available |
| **Initial boiling point and boiling range** | 67$^{o}$C @ 4.7 hPa |
| **Flash point** | 109$^{o}$C (closed cup) |
| **Evaporation rate** | no data available |
| **Flammability** | no data available |
| **Upper/lower flammability or explosive limits** | no data available |
| **Vapor pressure** | no data available |
| **Vapor density** | no data available |
| **Viscosity** | no data available |
| **Solubility** | no data available |
| **Partition coefficient: n-octanol/water** | no data available |
| **Auto-ignition temperature** | no data available |
| **Decomposition temperature** | no data available |
| **Viscosity** | no data available |

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity**
No data available
**Chemical stability**
Stable under recommended storage conditions.
**Possibility of hazardous reactions**
No data available
**Conditions to avoid**
Avoid excessive temperatures, localized heat sources (example drum or band heaters), oxidizing conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing.
**Incompatible materials**
Strong oxidizing agents, Strong bases, free radical initiators, Steal. Peroxides. Avoid excessive temperatures, direct sunlight, ultraviolet radiation, and inert gas blanketing
**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 |
|---|---|---|---|
| Triethylene Glycol Dimethacrylate | LD 50 Oral – 10,837 mg/kg<br>TDlo Oral - 7,889 mg/g | Rat<br>Rat | |
| 2-Hydroxyethyl Methacrylate | LD50 Oral – 5,564 mg/kg<br>LD50 Dermal - >3000 mg/kg | Rat<br>Rabbit | |

| Substance/Ingredient | Skin corrosion/irritation | Eye damage/irritation | Respiration sensitization | Skin sensitization |
|---|---|---|---|---|
| Triethylene Glycol Dimethacrylate | Not available | Irritation of eyes, skin, mucous memmbranes | Not available | Not available |
| 2-Hydroxyethyl Methacrylate | Rabbit –irritating 24 h | Rabbit – moderate eye irritation (Draize Test) 24 h | | May cause sensitisation by skin contact |

**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**
Liver or kidney for HEMA
**Chronic health effects**
None
**Aspiration hazard**
no data available

## SECTION 12. ECOLOGICAL INFORMATION

**Toxicity**

| Substance/Ingredient | Test | Species | Exposure |
|---|---|---|---|
| Triethylene Glycol Dimethacrylate | N/A | | |
| 2-Hydroxyethyl Methacrylate | Flow-through test | Pimephales promelas – 227 mg/l | 96h |

**Persistence and degradability**

| Substance/Ingredient | Persistence/degradable |
|---|---|
| Triethylene Glycol Dimethacrylate | n/a |
| 2-Hydroxyethyl 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:** Ethyl methacrylate, Stabilized
**PRIMARY HAZARD CLASS/DIVISION:** 3
**UN/NA NUMBER:** 2277
**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

**Pennsylvania Right To Know Components**

Ethyl methacrylate, methacrylic acid, monoester with propane-1,2-diol, N,N-Dimethyl-p-toluidine

**New Jersey Right To Know Components**

Ethyl methacrylate, methacrylic acid, monoester with propane-1,2-diol, N,N-Dimethyl-p-toluidine

**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 urposes. 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.

**HMIS Rating**

Health hazard: 2
Chronic Health Hazard:*
Flammability: 1
Physical Hazard 2

**NFPA Rating**

Health hazard: 2
Fire Hazard: 1
Reactivity Hazard: 2