Safety Data Sheet MEGA-SHOT JOLT PART A

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** MEGA-SHOT JOLT PART A  
**Recommended use** Adhesive  
**Information on Manufacturer**  
Mega Metals, Partsmaster, Div of NCH Corp.  
P.O. Box 655326  
Dallas, TX 75265-5326

**Product Code** PMM57573  
**Chemical nature** Methyl methacrylate monomer  
**Emergency Telephone Number** CHEMTREC® 800-424-9300  
**Telephone inquiry** 800-336-0450

**2. HAZARD IDENTIFICATION**

**Color** White  
**Physical state** Liquid  
**Odor** Pungent

**GHS Classification**

**Physical Hazards**
- Flammable liquids: Category 2

**Health Hazard**
- Acute Oral Toxicity: Category 4
- Acute Inhalation Toxicity - Vapors: Category 4
- Skin Corrosion/ Irritation: Category 1
- Serious Eye Damage/ Eye Irritation: Category 1
- Skin sensitization: Category 1
- Specific target organ systemic toxicity (single exposure): Category 3

**Other hazards**
- None

**Labeling**

**Signal Word** DANGER

**Hazard statements**
- H225 - Highly flammable liquid and vapor
- H314 - Causes severe skin burns and eye damage
- H302 - Harmful if swallowed
- H332 - Harmful if inhaled
- H317 - May cause an allergic skin reaction
- H335 - May cause respiratory irritation

**Precautionary Statements**
- P210 - Keep away from heat, sparks, open flames or hot surfaces.
- P241 - Use explosion-proof electrical, ventilating and lighting equipment
- P240 - Ground/bond container and receiving equipment
- P242 - Use only non-sparking tools
- P243 - Take precautionary measures against static discharge
- P260 - Do not breathe vapor, mist or dust.
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves, protective clothing and eye protection.
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P272 - Contaminated work clothing should not be allowed out of the workplace
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a physician
- P303 + P361 + P338 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
- P363 - Wash contaminated clothing before reuse
- P333 + P313 - If skin irritation or rash occurs, get medical attention
- P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
- P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
- P312 - Call a physician if unwell.
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
- P235 - Keep cool
3 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight % *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>80-62-6</td>
<td>30-60</td>
</tr>
<tr>
<td>Styrene-butadiene polymer</td>
<td>9003-55-8</td>
<td>30-40</td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td>79-41-4</td>
<td>10-15</td>
</tr>
<tr>
<td>tert-Butyl peroxybenzoate</td>
<td>614-45-9</td>
<td>1-3</td>
</tr>
<tr>
<td>Polyglycol dimethacrylate</td>
<td>25852-47-5</td>
<td>1-3</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**General advice**  
No information available.

**Eye Contact**  
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin Contact**  
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

**Inhalation**  
Move to fresh air.

**Ingestion**  
Clean mouth with water and afterwards drink plenty of water.

**Notes to physician**  
Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flash Point**  
50 °F / 10 °C  
Method: Seta closed cup

**Suitable Extinguishing Media**  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Specific hazards arising from the chemical**  
The product causes burns of eyes, skin and mucous membranes.

**Protective Equipment and Precautions for Firefighters**  
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

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<th>HMIS</th>
<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**  
Ensure adequate ventilation.

**Environmental Precautions**  
Prevent further leakage or spillage if safe to do so.

**Methods for Containment**  
No information available.

**Methods for Cleaning Up**  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Neutralizing Agent**  
Not applicable.

### 7. HANDLING AND STORAGE

**Handling**  
Ensure adequate ventilation.

**Storage**  
Keep containers tightly closed in a dry, cool and well-ventilated place.

**Storage Temperature**  
Minimum: No information available  
Maximum: No information available

**Storage Conditions**  
Indoor: No information available  
Outdoor: No information available  
Heated: No information available  
Refrigerated: No information available

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>TWA: 50 ppm STEL: 100 ppm</td>
<td>TWA: 100 ppm TWA: 410 mg/m³</td>
<td>1000 ppm TWA: 100 ppm TWA: 410 mg/m³</td>
</tr>
<tr>
<td>Styrene-butadiene polymer</td>
<td>3 mg/m³ PNOS</td>
<td>5 mg/m³ PNOR</td>
<td>No data available</td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td>TWA: 20 ppm</td>
<td>No data available</td>
<td>TWA: 20 ppm TWA: 70 mg/m³</td>
</tr>
</tbody>
</table>
Engineering Measures
Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment
Eye/Face Protection
Safety glasses with side-shields.

Skin Protection
For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

Respiratory Protection
In case of insufficient ventilation wear suitable respiratory equipment.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Non viscous</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Pungent</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>1.82</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Slightly soluble</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>214 °F / 101 °C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>50 °F / 10 °C</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Upper: No data available</td>
<td>Lower: No data available</td>
</tr>
<tr>
<td>pH</td>
<td>1.04</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>3.5 (Air = 1.0)</td>
</tr>
<tr>
<td>Appearance</td>
<td>Opaque</td>
</tr>
<tr>
<td>Percent Volatile (Volume)</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC Content (g/L)</td>
<td>18.4</td>
</tr>
<tr>
<td>Vapor Density</td>
<td></td>
</tr>
<tr>
<td>n-Octanol/Water Partition</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Method</td>
<td>Seta closed cup</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility in water</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td></td>
</tr>
<tr>
<td>Upper: No data available</td>
<td>Lower: No data available</td>
</tr>
<tr>
<td>Chemical Stability</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>None known.</td>
</tr>
<tr>
<td>Incompatible Products</td>
<td>No materials to be especially mentioned.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>None under normal use.</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>None under normal processing.</td>
</tr>
<tr>
<td>Possibility of Hazardous Reactions</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under normal conditions.

Conditions to Avoid
None known.

Incompatible Products
No materials to be especially mentioned.

Decomposition Temperature
May cause irritation of respiratory tract.

Hazardous Decomposition Products
No data available.

Possibility of Hazardous Reactions
None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information
No information available.

The following values are calculated based on chapter 3.1 of the GHS document

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Oral LD50 (mg/kg)</th>
<th>Dermal LD50 (mg/kg)</th>
<th>Inhalation LC50 (ppm)</th>
<th>Dye Test</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate 80-62-6</td>
<td>7900</td>
<td>no data available</td>
<td>4632 ppm (Rat) 4 h</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Methacrylic acid 79-41-4</td>
<td>1060</td>
<td>500 - 1000 mg/kg (Rabbit)</td>
<td>7.1 mg/L (Rat) 4 h</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>tert-Butyl peroxidibenoate 614-45-9</td>
<td>1012</td>
<td>no data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Mutagenicity</th>
<th>Sensitization</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity</th>
<th>Target Organ Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate 80-62-6</td>
<td>No data available</td>
<td>Skin sensitization</td>
<td>No data available</td>
<td>No data available</td>
<td>Skin Eyes Respiratory system</td>
</tr>
<tr>
<td>Methacrylic acid 79-41-4</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>Skin Eyes Respiratory system</td>
</tr>
</tbody>
</table>
Carcinogenicity

There are no known carcinogenic chemicals in this product.

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate 80-62-6</td>
<td>not applicable</td>
<td>Group 3</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
<tr>
<td>Styrene-butadiene polymer 9003-55-6</td>
<td>not applicable</td>
<td>Group 3</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Crustacea</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>EC50 = 170 mg/L</td>
<td>LC50 243 - 275 mg/L</td>
<td>Pseudokirchneriella</td>
<td>LC50 125.5 - 190.7 mg/L</td>
<td>0.7</td>
</tr>
<tr>
<td></td>
<td>Pseudokirchneriella subcapitata 96 h</td>
<td>Pimephales promelas 96 h</td>
<td></td>
<td>Pimephales promelas 96 h</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 150.5 - 206 mg/L</td>
<td>Lepomis macrochirus 96 h</td>
<td>LC50 &gt; 79 mg/L</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 153.9 - 341.8 mg/L</td>
<td>Lepomis macrochirus 96 h</td>
<td>LC50 &gt; 79 mg/L</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 326.4 - 438.9 mg/L</td>
<td>Poecilia reticulata 96 h</td>
<td>LC50 &gt; 79 mg/L</td>
<td></td>
</tr>
<tr>
<td>Methacrylic acid</td>
<td>No information available</td>
<td>No information available</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>persistence and degradability</td>
<td>No information available</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>bioaccumulation</td>
<td>No information available</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>mobility</td>
<td>No information available</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name: CONSUMER COMMODITY
Hazard Class: ORM-D
Description: CONSUMER COMMODITY, ORM-D

TDG

Proper Shipping Name: ADHESIVES
Hazard Class: 3
UN-No: UN1133
Packing Group: II
Description: UN1133, ADHESIVES, 3, II, LTD QTY

ICAO

UN-No: UN1133
Proper Shipping Name: ADHESIVES
Hazard Class: 3
Packing Group: II
Shipping Description: UN1133, ADHESIVES, 3, PG II, LTD QTY

IATA

UN-No: UN1133
Proper Shipping Name: ADHESIVES
Hazard Class: 3
Packing Group: II
Shipping Description: UN1133, ADHESIVES, 3, PG II, LTD QTY

IMDG/IMO

Proper Shipping Name: ADHESIVES
Hazard Class: 3
Packing Group: II
Description: UN1133, ADHESIVES, 3, PG II, LTD QTY
15. REGULATORY INFORMATION

Inventories
TSCA       Complies
DSL        Complies

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

<table>
<thead>
<tr>
<th>SARA 311/312 Hazardous Categorization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
</tr>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

CERCLA

<table>
<thead>
<tr>
<th>Component</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA EHS RQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>1000 lb</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

Prepared By     Christopher Drogin
Supercedes Date Not applicable
Issuing Date    06/24/2016
Reason for Revision No information available.
Glossary        No information available.
List of References No information available.

Mega Metals, PartsMaster, Div of NCH Corp. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.
Safety Data Sheet MEGA-SHOT JOLT PART B

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MEGA-SHOT JOLT PART B
Recommended use: Adhesives
Information on Manufacturer:
Mega Metals, Partsmaster, Div of NCH Corp.
P.O. Box 655326
Dallas, TX 75265-5326

Product Code: PMN57573
Chemical nature: Methacrylate

Emergency Telephone Number:
CHEMTREC® 800-424-9300
Telephone inquiry: 800-336-0450

2. HAZARD IDENTIFICATION

Color: Blue
Physical state: Liquid
Odor: Pungent

GHS Classification
Physical Hazards
- Flammable liquids

Health Hazard
- Acute Inhalation Toxicity - Vapors: Category 4
- Skin Corrosion/Irritation: Category 2
- Serious Eye Damage/Eye Irritation: Category 2
- Skin sensitization: Category 1
- Specific target organ systemic toxicity (single exposure): Category 3

Other hazards: None

Labeling
Signal Word: DANGER

Hazard statements
- H225 - Highly flammable liquid and vapor
- H319 - Causes serious eye irritation
- H332 - Harmful if inhaled
- H317 - May cause an allergic skin reaction
- H335 - May cause respiratory irritation

Precautionary Statements
- P210 - Keep away from heat, sparks, open flames or hot surfaces.
- P240 - Ground/bond container and receiving equipment
- P241 - Use explosion-proof electrical, ventilating and lighting equipment
- P242 - Use only non-sparking tools
- P243 - Take precautionary measures against static discharge
- P271 - Use in a well-ventilated area.
- P261 - Avoid breathing vapor, mist or dust.
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves, protective clothing and eye protection.
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P272 - Contaminated work clothing should not be allowed out of the workplace
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 - If skin irritation persists, get medical attention.
- P305 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
- P363 - Wash contaminated clothing before reuse
- P333 + P313 - If skin irritation or rash occurs, get medical attention
- P301+ P312 - IF SWALLOWED: Call a physician if unwell
- P330 - Rinse mouth.
- P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
- P312 - Call a physician if unwell.
- P403 + P235 - Store in a well-ventilated place. Keep cool.
- P405 - Store locked up
- P570+P578 In case of fire, use dry chemical extinguisher or flush with large amounts of
water for extinction.
PS01 - Dispose of contents and container in accordance with applicable local regulations.

5 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight % *</th>
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</thead>
<tbody>
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<td>80-62-6</td>
<td>60-80</td>
</tr>
<tr>
<td>Styrene-butadiene polymer</td>
<td>9003-55-8</td>
<td>30-40</td>
</tr>
<tr>
<td>3,5-Diethyl-1-phenyl-2-propyl-1,2-dihydropyridine</td>
<td>34562-31-7</td>
<td>1-5</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**General advice**
No information available.

**Eye Contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin Contact**
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

**Inhalation**
Move to fresh air.

**Ingestion**
Clean mouth with water and afterwards drink plenty of water.

**Notes to physician**
Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flash Point**
50 °F / 10 °C
Method Seta closed cup
Upper: No data available Lower: No data available

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Specific hazards arising from the chemical**
The product causes burns of eyes, skin and mucous membranes.

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

**NFPA**
Health 2  Flammability 3  Instability 1

**HMIS**
Health 2  Flammability 3  Instability 1

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**
Ensure adequate ventilation.

**Environmental Precautions**
Prevent further leakage or spillage if safe to do so.

**Methods for Containment**
No information available.

**Methods for Cleaning Up**
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Neutralizing Agent**
Not applicable.

### 7. HANDLING AND STORAGE

**Handling**
Ensure adequate ventilation.

**Storage**
Keep containers tightly closed in a dry, cool and well-ventilated place.

**Storage Temperature**
Minimum No information available Maximum No information available

**Storage Conditions**
Indoor Outdoor Heated Refrigerated

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>TWA: 50 ppm</td>
<td>TWA: 100 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 100 ppm</td>
<td>TWA: 410 mg/m³</td>
<td>TWA: 100 ppm</td>
</tr>
<tr>
<td>Styrene-butadiene polymer</td>
<td>3 mg/m³ PNOS</td>
<td>5 mg/m³ PNOR</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Engineering Measures**
Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

<table>
<thead>
<tr>
<th>Eye/Face Protection</th>
<th>Safety glasses with side-shields.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Protection</td>
<td>For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.</td>
</tr>
<tr>
<td>Respiratory Protection</td>
<td>In case of insufficient ventilation wear suitable respiratory equipment.</td>
</tr>
<tr>
<td>General Hygiene Considerations</td>
<td>Handle in accordance with good industrial hygiene and safety practice.</td>
</tr>
</tbody>
</table>
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid  
Color: Blue  
Odor Threshold: Not applicable  
Appearance: Opaque  
Viscosity: Non viscous  
Odor: Pungent  
Specific Gravity: 0.97  
Evaporation Rate: No information available  
Vapor Pressure: 29.25 mmHg @ 20 °C  
Solubility: Slightly soluble  
Melting Point/Range: No data available  
Boiling Point/Range: 214 °F / 101 °C  
Flash Point: 50 °F / 10 °C  
Autoignition Temperature: No data available.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.  
Conditions to Avoid: None known.  
Incompatible Products: No materials to be especially mentioned.  
Decomposition Temperature: No data available  
Hazardous Decomposition Products: None under normal use.  
Possibility of Hazardous Reactions: None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information: No information available.

The following values are calculated based on chapter 3.1 of the GHS document:

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
<th>Draize Test</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>7900 mg/kg ( Rat )</td>
<td>no data available</td>
<td>= 4632 ppm ( Rat ) 4 h</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Component Information

Acute Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Mutagenicity</th>
<th>Sensitization</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity</th>
<th>Target Organ Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate 80-62-6</td>
<td>No data available</td>
<td>Skin sensitization</td>
<td>No data available</td>
<td>No data available</td>
<td>Skin Eyes Respiratory system</td>
</tr>
</tbody>
</table>

Carcinogenicity

There are no known carcinogenic chemicals in this product.

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate 80-62-6</td>
<td>not applicable</td>
<td>Group 3</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
<tr>
<td>Styrene-butadiene polymer 9003-55-8</td>
<td>not applicable</td>
<td>Group 3</td>
<td>not applicable</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Product Information: No information available.
### Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Crustacea</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>EC50 = 170 mg/L Pseudokirchneriella subcapitata 96 h</td>
<td>LC50 243 - 275 mg/L Pimephales promelas 96 h</td>
<td>No information available</td>
<td>69: 48 h Daphnia magna</td>
<td>0.7</td>
</tr>
<tr>
<td></td>
<td>LC50 125.5 - 190.7 mg/L Pimephales promelas 96 h</td>
<td>LC50 197 - 206 mg/L Lepomis macrochirus 96 h</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50 153.9 - 341.8 mg/L Lepomis macrochirus 96 h</td>
<td>LC50 &gt; 79 mg/L Oncorhynchus mykiss 96 h</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50 326.4 - 426.9 mg/L Poecilia reticulata 96 h</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Persistence and Degradability**  
No information available.

**Bioaccumulation**  
No information available.

**Mobility**  
No information available.

### 13. DISPOSAL CONSIDERATIONS

**Product Disposal**  
Dispose of in accordance with local regulations.

**Container Disposal**  
Empty containers should be taken for local recycling, recovery, or waste disposal.

### 14. TRANSPORT INFORMATION

**DOT**
- **Proper Shipping Name**: CONSUMER COMMODITY
- **Hazard Class**: ORM-D
- **UN-No**: UN1133
- **Packing Group**: II
- **Description**: CONSUMER COMMODITY, ORMD-D

**TDG**
- **Proper shipping name**: ADHESIVES
- **Hazard Class**: 3
- **UN-No**: UN1133
- **Packing Group**: II
- **Description**: UN1133, ADHESIVES, 3, PG II, LTD QTY

**ICAO**
- **UN-No**: UN1133
- **Proper Shipping Name**: ADHESIVES
- **Hazard Class**: 3
- **Packing Group**: II
- **Shipping Description**: UN1133, ADHESIVES, 3, PG II, LTD QTY

**IATA**
- **UN-No**: UN1133
- **Proper Shipping Name**: ADHESIVES
- **Hazard Class**: 3
- **Packing Group**: II
- **Shipping Description**: UN1133, ADHESIVES, 3, PG II, LTD QTY

**IMDG/IMO**
- **Proper Shipping Name**: ADHESIVES
- **Hazard Class**: 3
- **UN-No**: UN1133
- **Packing Group**: II
- **Description**: UN1133, ADHESIVES, 3, PG II, LTD QTY

### 15. REGULATORY INFORMATION

**Inventories**
- **TSCA**: Complies
- **DSL**: Complies

**U.S. Federal Regulations**
- **SARA 313**

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**Issuing Date 06/24/2016**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

<table>
<thead>
<tr>
<th>Acute Health Hazard</th>
<th>Chronic Health Hazard</th>
<th>Fire Hazard</th>
<th>Sudden Release of Pressure Hazard</th>
<th>Reactive Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

CERCLA

<table>
<thead>
<tr>
<th>Component</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA EHS RQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>1000 lb</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

Prepared By  
Christopher Drogin

Supersedes Date  
Not applicable

Issuing Date  
06/24/2016

Reason for Revision  
No information available.

Glossary  
No information available.

List of References  
No information available.

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