# SAFETY DATA SHEET

## 1. Identification

**Material name:** Vulkem EWS Cleaner - 6 GAL  
**Material:** 470080 805

**Recommended use and restriction on use**
- **Recommended use:** Coatings
- **Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**
Tremco Canadian Sealants  
220 Wicksteed Ave  
Toronto ON M4H 1G7  
CA

**Contact person:** EH&S Department  
**Telephone:** 1-800-263-6046  
**Emergency telephone number:** 1-800-424-9300 (US); 1-613-996-6666 (Canada)

## 2. Hazard(s) identification

### Hazard Classification

**Physical Hazards**
- Flammable liquids  
  Category 2

**Health Hazards**
- Serious Eye Damage/Eye Irritation  
  Category 2A
- Skin sensitizer  
  Category 1

**Unknown toxicity - Health**
- Acute toxicity, oral  
  0 %
- Acute toxicity, dermal  
  0 %
- Acute toxicity, inhalation, vapor  
  0 %
- Acute toxicity, inhalation, dust or mist  
  100 %

**Unknown toxicity - Environment**
- Acute hazards to the aquatic environment  
  0 %
- Chronic hazards to the aquatic environment  
  100 %

### Label Elements

**Hazard Symbol:**

![Hazard Symbol]

**Signal Word:** Danger
**Hazard Statement:**
Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause an allergic skin reaction.

**Precautionary Statement:**

**Prevention:**

**Response:**
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see this label). Wash contaminated clothing before reuse. In case of fire: Use ... to extinguish.

**Storage:**
Store in well-ventilated place. Keep cool.

**Disposal:**
Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification:**
Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

### 3. Composition/information on ingredients

**Mixtures**

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>80-62-6</td>
<td>60 - 100%</td>
</tr>
</tbody>
</table>

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

**Ingestion:**
Rinse mouth thoroughly.

**Inhalation:**
Move to fresh air.

**Skin Contact:**
Get medical attention if symptoms occur. Take off immediately all contaminated clothing. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.
Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: Respiratory tract irritation.

Indication of immediate medical attention and special treatment needed

Treatment: Get medical attention if symptoms occur.

5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards arising from the chemical: Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

Methods and material for containment and cleaning up: Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Environmental Precautions:  Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling:  Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities:  Store in a well-ventilated place. Store in a cool place.

8. Exposure controls/personal protection

Control Parameters

### Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>TWA</td>
<td>50 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>100 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>100 ppm 410 mg/m3</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
</tbody>
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<td>Methyl methacrylate</td>
<td>TWAEV</td>
<td>50 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>100 ppm</td>
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</tr>
<tr>
<td>Methyl methacrylate</td>
<td>TWA</td>
<td>50 ppm 205 mg/m3</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)</td>
</tr>
</tbody>
</table>
Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information: Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof ventilation equipment.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection
Hand Protection: Use suitable protective gloves if risk of skin contact.
Other: Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: Avoid contact with eyes. Observe good industrial hygiene practices. When using do not smoke. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin.

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: Colorless
Odor: Mild petroleum/solvent
Odor threshold: No data available.
pH: No data available.
Melting point/freezing point: No data available.
Initial boiling point and boiling range: 100.3 °C 212.5 °F
Flash Point: 11.5 °C 52.7 °F(Closed Cup)
Evaporation rate: Slower than Ether
Flammability (solid, gas): No

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%): 12.5 %(V)
Flammability limit - lower (%): 2.1 %(V)
Explosive limit - upper (%): No data available.
Explosive limit - lower (%): No data available.
Vapor pressure: No data available.
Vapor density: Vapors are heavier than air and may travel along the floor and
Relative density: 0.94

Solubility(ies)
  Solubility in water: Practically Insoluble
  Solubility (other): 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.

10. Stability and reactivity

Reactivity: No data available.
Chemical Stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No data available.

Conditions to avoid: Heat, sparks, flames.
Incompatible Materials: Strong acids. Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates). Strong bases.
Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on likely routes of exposure
  Ingestion: May be ingested by accident. Ingestion may cause irritation and malaise.
  Inhalation: In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
  Skin Contact: May cause an allergic skin reaction.
  Eye contact: Causes serious eye irritation.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)
  Oral Product: No data available.
  Dermal Product: No data available.
  Inhalation Product: No data available.
Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):
Methyl methacrylate in vivo (Rabbit): Experimental result, Weight of Evidence study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):
Methyl methacrylate Irritating

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.
Aspiration Hazard
Product:  No data available.

Other effects:  No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product:  No data available.

Specified substance(s):
Methyl methacrylate LC 50 (Fathead minnow (Pimephales promelas), 96 h): 410 mg/l Mortality

Aquatic Invertebrates
Product:  No data available.

Specified substance(s):
Methyl methacrylate LC 50 (Water flea (Daphnia magna), 24 h): 1,760 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish
Product:  No data available.

Specified substance(s):
Methyl methacrylate NOAEL (Danio rerio, 35 d): 9.4 mg/l Experimental result, Key study
LOAEL (Danio rerio, 35 d): 18.8 mg/l Experimental result, Key study
LC 50 (Danio rerio, 35 d): 33.7 mg/l Experimental result, Key study

Aquatic Invertebrates
Product:  No data available.

Toxicity to Aquatic Plants
Product:  No data available.

Persistence and Degradability

Biodegradation
Product:  No data available.

BOD/COD Ratio
Product:  No data available.

Bioaccumulative Potential
Bioconcentration Factor (BCF)
Product: No data available.

 Partition Coefficient n-octanol / water (log Kow)
 Product: No data available.

 Specified substance(s):
 Methyl methacrylate Log Kow: 1.38

 Mobility in Soil: No data available.
 Other Adverse Effects: No data available.

13. Disposal considerations

 Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

 Contaminated Packaging: No data available.

14. Transport information

 TDG:
 UN1247, METHYL METHACRYLATE MONOMER, STABILIZED, 3, PG II

 CFR / DOT:
 UN1247, Methyl methacrylate monomer, stabilized, 3, PG II

 IMDG:
 UN1247, METHYL METHACRYLATE MONOMER, STABILIZED, 3, PG II

 Further Information:
 The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

15. Regulatory information

 US Federal Regulations

 TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
 None present or none present in regulated quantities.

 US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
 None present or none present in regulated quantities.

 CERCLA Hazardous Substance List (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl methacrylate</td>
<td>1000 lbs.</td>
</tr>
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</table>
Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Fire Hazard
Immediate (Acute) Health Hazards

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification
Chemical Identity Reportable quantity
Methyl methacrylate 1000 lbs.

SARA 311/312 Hazardous Chemical
Chemical Identity Threshold Planning Quantity
Methyl methacrylate 500 lbs

SARA 313 (TRI Reporting)
Chemical Identity
Methyl methacrylate

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act
Chemical Identity
Methyl methacrylate

US. Massachusetts RTK - Substance List
Chemical Identity
Methyl methacrylate

US. Pennsylvania RTK - Hazardous Substances
Chemical Identity
Methyl methacrylate

US. Rhode Island RTK
Chemical Identity
Methyl methacrylate

Other Regulations:

Regulatory VOC (less water and exempt solvent): 0 g/l
VOC Method 310: 0.00 %

Inventory Status:
000000020547
Australia AICS: All components in this product are listed on or exempt from the Inventory.

Canada DSL Inventory List: All components in this product are listed on or exempt from the Inventory.

EINECS, ELINCS or NLP: All components in this product are listed on or exempt from the Inventory.

Japan (ENCS) List: All components in this product are listed on or exempt from the Inventory.

China Inv. Existing Chemical Substances: All components in this product are listed on or exempt from the Inventory.

Korea Existing Chemicals Inv. (KECI): All components in this product are listed on or exempt from the Inventory.

Canada NDSL Inventory: One or more components in this product are not listed on or exempt from the Inventory.

Philippines PICCS: All components in this product are listed on or exempt from the Inventory.

US TSCA Inventory: All components in this product are listed on or exempt from the Inventory.

New Zealand Inventory of Chemicals: All components in this product are listed on or exempt from the Inventory.

Japan ISHL Listing: All components in this product are listed on or exempt from the Inventory.

Japan Pharmacopoeia Listing: One or more components in this product are not listed on or exempt from the Inventory.

16. Other information, including date of preparation or last revision

Revision Date: 07/22/2016
Version #: 1.1
Further Information: No data available.
Disclaimer: For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.