

**JM PMMA Cleaner**

Version 1.1

Revision Date 06/09/2020

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**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Trade name : JM PMMA Cleaner

## Manufacturer or supplier's details

Company : Johns Manville  
Address : P.O. Box 5108  
Denver, CO USA 80127  
Telephone : +1-303-978-2000  
Emergency telephone : 24-Hour Number: 1-800-424-9300 (CHEMTREC)  
number

Company : Johns Manville Canada Inc.  
Address : 5301 42 Avenue  
Innisfail, AB Canada T4G 1A2  
Telephone : +1-303-978-2000  
Emergency telephone : 24-Hour Number: 1-800-424-9300 (CHEMTREC)  
number

Recommended use of the chemical and restrictions on use

Restrictions on use : For professional users only.

Prepared by : productsafety@jm.com

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015)**

Flammable liquids : Category 2  
Eye irritation : Category 2A  
Specific target organ toxicity : Category 3 (Central nervous system)  
- single exposure

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

Precautionary statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
P233 Keep container tightly closed.

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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.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
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 eye irritation persists: Get medical advice/ attention.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P235 Keep cool.  
P405 Store locked up.

**Disposal:**

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

| Chemical name  | CAS-No. | Concentration (%) |
|----------------|---------|-------------------|
| methyl acetate | 79-20-9 | >= 80 - <= 100    |

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.

If inhaled : Remove to fresh air immediately. Get medical attention immediately.  
If breathing is irregular or stopped, administer artificial

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respiration.

- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.  
Get medical attention immediately.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If easy to do, remove contact lens, if worn.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.
- If swallowed : DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Gently wipe or rinse the inside of the mouth with water.  
Never give anything by mouth to an unconscious person.  
Keep respiratory tract clear.  
Get medical attention immediately.
- Most important symptoms and effects, both acute and delayed : Causes serious eye irritation.  
May cause drowsiness or dizziness.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Foam  
Dry powder  
Water spray
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : carbon oxides
- Further information : Standard procedure for chemical fires.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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- |                                                                           |   |                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions,<br>protective equipment and<br>emergency procedures | : | Use personal protective equipment.<br>Ensure adequate ventilation.<br>Remove all sources of ignition.<br>Evacuate personnel to safe areas.<br>Beware of vapours accumulating to form explosive<br>concentrations. Vapours can accumulate in low areas.                         |
| Environmental precautions                                                 | : | Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform<br>respective authorities.                                                                                     |
| Methods and materials for<br>containment and cleaning up                  | : | Contain spillage, and then collect with non-combustible<br>absorbent material, (e.g. sand, earth, diatomaceous earth,<br>vermiculite) and place in container for disposal according to<br>local / national regulations (see section 13).<br>Non-sparking tools should be used. |

**SECTION 7. HANDLING AND STORAGE**

- |                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on protection against<br>fire and explosion | : | Take necessary action to avoid static electricity discharge<br>(which might cause ignition of organic vapours).<br>Use only explosion-proof equipment.<br>Keep away from open flames, hot surfaces and sources of<br>ignition.                                                                                                                                                                                                                                                                                                                              |
| Advice on safe handling                            | : | Avoid formation of aerosol.<br>Do not breathe vapours/dust.<br>Avoid exposure - obtain special instructions before use.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the<br>application area.<br>Take precautionary measures against static discharges.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>Open drum carefully as content may be under pressure.<br>Dispose of rinse water in accordance with local and national<br>regulations. |
| Conditions for safe storage                        | : | No smoking.<br>Keep container tightly closed in a dry and well-ventilated<br>place.<br>Containers which are opened must be carefully resealed and<br>kept upright to prevent leakage.<br>Observe label precautions.<br>Electrical installations / working materials must comply with<br>the technological safety standards.                                                                                                                                                                                                                                 |
| Materials to avoid                                 | : | Keep away from oxidizing agents and strongly acid or alkaline<br>materials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Recommended storage<br>temperature                 | : | 0 - 25 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage period                                     | : | 12 Months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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Further information on storage stability : Do not freeze.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components     | CAS-No. | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|----------------|---------|----------------------------------|---------------------------------------------------|-----------|
| methyl acetate | 79-20-9 | TWA                              | 200 ppm                                           | ACGIH     |
|                |         | STEL                             | 250 ppm                                           | ACGIH     |
|                |         | TWA                              | 200 ppm<br>610 mg/m <sup>3</sup>                  | NIOSH REL |
|                |         | ST                               | 250 ppm<br>760 mg/m <sup>3</sup>                  | NIOSH REL |
|                |         | TWA                              | 200 ppm<br>610 mg/m <sup>3</sup>                  | OSHA      |

#### Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

#### Hand protection

Material : Protective gloves

#### Remarks

: Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

#### Eye protection

: Safety glasses with side-shields  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

#### Skin and body protection

: Wear protective clothing, such as long-sleeved shirts and pants.  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### Hygiene measures

: Handle in accordance with good industrial hygiene and safety practice.  
When using do not eat or drink.

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When using do not smoke.  
Wash hands before breaks and at the end of workday.  
Written instructions for handling must be available at the work place.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                         |                                       |
|-----------------------------------------|---------------------------------------|
| Appearance                              | : liquid                              |
| Colour                                  | : colorless                           |
| Odour                                   | : pleasant                            |
| Odour Threshold                         | : No data available                   |
| pH                                      | : 3.9, Concentration: 295 g/l (20 °C) |
| Melting point/range                     | : -98 °C                              |
| Initial boiling point and boiling range | : 55 - 57 °C<br>(1,013 hPa)           |
| Flash point                             | : -14 °C<br>Method: ISO 13736         |
| Evaporation rate                        | : No data available                   |
| Flammability (solid, gas)               | : No data available                   |
| Upper explosion limit                   | : 16.0 %(V)                           |
| Lower explosion limit                   | : 3.1 %(V)                            |
| Vapour pressure                         | : 782 hPa (50 °C)<br>220 hPa (20 °C)  |
| Relative vapour density                 | : No data available                   |
| Relative density                        | : No data available                   |
| Solubility(ies)<br>Water solubility     | : 239 g/l (20 °C)                     |
| Solubility in other solvents            | : No data available                   |
| Partition coefficient: n-octanol/water  | : log Pow: 0.18                       |
| Auto-ignition temperature               | : No data available                   |
| Thermal decomposition                   | : No data available                   |
| Viscosity, dynamic                      | : No data available                   |

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Viscosity, kinematic : No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Vapours may form explosive mixture with air.  
Stable under recommended storage conditions.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong oxidizing agents  
Strong acids  
Strong bases

Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:  
carbon oxides

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute dermal toxicity : Acute toxicity estimate : > 2,000 mg/kg  
Method: Calculation method

**Acute toxicity****Components:****methyl acetate:**

Acute oral toxicity : LD50 (Rat, male): 6,482 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rabbit, male and female): ca. > 49.2 - < 98.4 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402

**Serious eye damage/eye irritation****Components:****methyl acetate:**

Species: Rabbit  
Result: Irritating to eyes.  
Method: OECD Test Guideline 405

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**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA (29 CFR 1910 Subpart Z, Toxic and Hazardous Substances).

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**STOT - single exposure****Components:****methyl acetate:**

Exposure routes: Inhalation

Target Organs: Central nervous system

Assessment: May cause drowsiness or dizziness.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability****Components:****methyl acetate:**

Biodegradability : Result: Readily biodegradable.

**Bioaccumulative potential****Components:****methyl acetate:**

Partition coefficient: n-octanol/water : log Pow: 0.18

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

- Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

**SECTION 14. TRANSPORT INFORMATION****International transport regulations**

Land transport

USDOT: UN1231, Methyl acetate, 3, II

TDG: UN1231, Methyl acetate, 3, II

LIMITED QUANTITY if shipped in inner packagings not over 1.0 L (0.3 gallons) net capacity each, packed in a strong outer packaging.

Sea transport

IMDG: UN1231, Methyl acetate, 3, II (-14 °C c.c.)

Air transport

IATA/ICAO: UN1231, Methyl acetate, 3, II

**SECTION 15. REGULATORY INFORMATION****TSCA list**

TSCA - 5(a) Significant New Use Rule List of Chemicals : No substances are subject to a Significant New Use Rule.

U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpart D) : No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know Act****SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard

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**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**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.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

|                |         |            |
|----------------|---------|------------|
| methyl acetate | 79-20-9 | 80 - 100 % |
|----------------|---------|------------|

**California Prop. 65**

 **WARNING:** This product can expose you to chemicals including acetaldehyde, which is/are known to the State of California to cause cancer, and methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**The components of this product are reported in the following inventories:**

**DSL** : All components of this product are on the Canadian DSL

**TSCA** : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

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**SECTION 16. OTHER INFORMATION****Further information**

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The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.