



SAFETY DATA SHEET

MMA Top Coat

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Directives

1. PRODUCT IDENTIFICATION

1.1 TRADE NAME (AS LABELED):

MMA Top Coat

SYNONYMS:

Solution of an acrylic polymer in methacrylic acid esters / acrylic acid esters.

CAS#:

Mixture

PRODUCT #:

9013744

1.2 PRODUCT USE:

Binder for floor coatings

CHEMICAL SHIPPING NAME/CLASS:

Resin Solution, Hazard Class 3 Flammable Liquids, PG II

U.N. NUMBER:

UN1866

1.3 NORTH AMERICA:

Tennant Company

MANUFACTURER'S NAME:

701 North Lilac Drive, P.O. Box 1452, Minneapolis, MN 55440-1452

ADDRESS:

1-763-540-1200

BUSINESS PHONE:

1.4 EUROPE:

Tennant Benelux N.V.

MANUFACTURER'S NAME:

Roderveldaan 3, 2600 Antwerpen, Belgium

ADDRESS:

+32-3-2179411

BUSINESS PHONE:

800-424-9300 (Chemtrec U.S. – 24 Hrs)

EMERGENCY PHONE:

1-703-537-3887 (Chemtrec Europe – 24 Hrs)

EMAIL:

info@tennantco.com

DATE OF CURRENT REVISION:

January 20, 2019

DATE OF LAST REVISION:

November 14, 2016

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a bluish, slightly turbid liquid with an ester-like odor.

Health Hazards: Exposure may cause irritation to eyes, respiratory system and skin with possible sensitization. May be harmful if swallowed.

Flammability Hazards: This product is a Flammable liquid with a flash point of 50°F (10°C)

Reactivity Hazards: The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution.

Environmental Hazards: This product is expected to be harmful to aquatic life with long-lasting effects.

US DOT SYMBOLS

See Section 14

CANADA (WHMIS) SYMBOLS

Complies with WHMIS 2015

EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Danger!**

2.1 GHS LABELING AND CLASSIFICATION:

CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

Index Number:

EC# 201-297-1 Annex VI Index# 607-035-00-6

EC# 203-080-7 Annex VI Index# 607-107-00-7

EC# 218-218-1 Not listed in Annex VI

EC# 254-075-1 Not listed in Annex VI

EC# 205-031-5 Not listed in Annex VI

Substances not listed either individually or in group entries must be self classified.

Component(s) Contributing to Classification(s): Methyl methacrylate, 2-ethylhexyl acrylate, N,N-bis-(2-hydroxypropyl)-p-toluidine, Butyldiglycol Methacrylate, Triethyleneglycol Dimethacrylate, (2-hydroxy-4-methoxyphenyl)phenyl-methanone



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2.2 LABEL ELEMENTS:

GHS Hazard Classification(s):

Flammable Liquid Category 2
Skin Irritant Category 2
Skin Sensitizer Category 1B
STOT SE Category 3
Aquatic Acute Category 3

Hazard Statement(s):

H225: Highly flammable liquid and vapour
H315: Causes skin irritation
H317: May cause allergic skin reaction
H335: May cause respiratory irritation
H402: Harmful to aquatic life.

Prevention Statement(s):

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
P272: Contaminated work clothing should not be allowed out of the workplace.
P264: Wash thoroughly after handling.
P271: Use only in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves, protective clothing/eye protection/face protection

Response Statements:

P302+P352: IF ON SKIN: Wash with plenty of water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Storage Statements:

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

Disposal Statements:

P501: Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 HEALTH HAZARDS OR RISKS FROM EXPOSURE:

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of overexposure for this product are by contact with skin or eyes, inhalation and ingestion. The symptoms of overexposure are described below.

ACUTE:

INHALATION: Inhalation of vapors or mists may cause respiratory irritation.

CONTACT WITH SKIN: Contact may cause irritation with possible sensitization.

EYE CONTACT: Liquids, vapors, or mists are irritating to the eyes and can cause stinging or tearing.

INGESTION: Ingestion may cause irritation of the gastrointestinal tract and gastrointestinal discomfort with any or any of the following symptoms: nausea, vomiting or diarrhea.

CHRONIC: None known

TARGET ORGANS: **Acute:** Skin, Respiratory System and Eyes **Chronic:** None known



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3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	Hazard Classification per the manufacturer
Methyl Methacrylate	40 - 70%	80-62-6	201-297-1	H225: Flammable Liquid Cat 2, H315: Skin Irritant Cat 2, H317: Skin Sensitizer Category 1, H335: STOT SE Cat 3, H402: Aquatic Acute Category 3
2-Ethylhexyl Acrylate	7-13%	103-11-7	203-080-7	H227: Flammable Liquid Cat 4, H315: Skin Irritant Cat 2, H317: Skin Sensitizer Category 1, H335: STOT SE Cat 3, H412: Aquatic Chronic Category 3
1,4-butanediol dimethacrylate	1-5%	2082-81-7	218-218-1	H317: Skin Sensitizer Category 1, H401: Aquatic Acute Category 2
N,N-bis-(2-hydroxypropyl)-p-toluidine	0.5-1.5%	38668-48-3	254-075-1	H319: Eye Irritant Cat 2, H300: Acute Toxicity (Oral) Category 2, H401: Aquatic Acute Category 2
(2-hydroxy-4-methoxyphenyl)phenylmethanone	0.1-1%	131-57-7	205-031-5	H400: Aquatic Acute Category 1, H411: Aquatic Chronic Category 2
Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers). Exact concentrations withheld as trade secret.				

4. FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention.

SKIN CONTACT: Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before re-use. Contact a doctor immediately.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with existing eye, skin or respiratory conditions may be aggravated by exposure.

4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Contact with eyes may cause irritation with redness and tearing. Prolonged skin exposure may cause mild irritation. Skin contact may cause sensitization. Excessive or prolonged exposure can cause the following: Headache, confusion.

4.3 RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

5.1 FIRE EXTINGUISHING MATERIALS:

FIRE EXTINGUISHING MATERIALS: Use fire extinguishing methods below:

<u>Water Spray:</u> No	<u>Carbon Dioxide:</u> Yes
<u>Foam:</u> Yes	<u>Dry Chemical:</u> Yes
<u>Halon:</u> Yes	<u>Other:</u> Any "C" Class

5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and can form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Never use welding or cutting torches on or near containers or drums (even when empty). Product residue or vapor in drums or container can ignite explosively. Cool warm or bulging containers to ambient temperature with water from a safe distance.

Explosion Sensitivity to Mechanical Impact: No

Explosion Sensitivity to Static Discharge: Yes



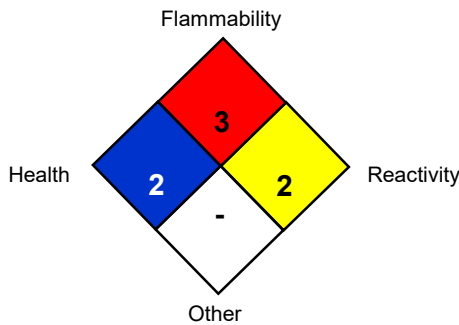
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5.3 SPECIAL FIRE-FIGHTING PROCEDURES:

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)	2		
FLAMMABILITY HAZARD (RED)	3		
PHYSICAL HAZARD (YELLOW)	2		
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

See section 8.2 for Exposure Controls. Assure sufficient ventilation. Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. Keep away from open flames, hot surfaces and sources of ignition. Vapours can form explosive mixtures with air. Keep out unprotected persons. Avoid spark generation.

6.2 ENVIRONMENTAL PRECAUTIONS:

Keep spilled material out of all sewers and open bodies of water.

6.3 SPILL AND LEAK RESPONSE:

Stop the flow of material, if this can be done safely. Floor may be slippery; use care to avoid falling. Dike and contain the spill with inert material (sand, earth, fuller's earth, etc.) and if appropriate, transfer the liquid and solid dike material to containers for disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Wash clothing before reuse. Keep spill out of all sewers and open bodies of water. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Use good hygiene practices. As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Use good hygiene practices. This product should only be used by trained personnel. Remove contaminated clothing and wash it before reuse. Use only with adequate ventilation. Avoid breathing vapor or mist. Keep container tightly closed when not in use. Open drum carefully as content may be under pressure. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

7.2 STORAGE AND HANDLING PRACTICES:

Store in original container. Keep container closed. Store in a cool, dry location. Avoid exposure to ignition sources and incompatible materials. Store below 77°F (25°C) Keep away from heat, sparks, flames and other sources of ignition. Use explosion proof equipment. Take precautionary measures against static discharges. Open container carefully as it may be pressurized. Use portable ventilation if necessary at job site. Ground and bond containers when transferring material. Keep locked up. Fill the container by approximately 90 % only as oxygen (air) is required for stabilization. With large storage containers make sure the oxygen (air) supply is sufficient to ensure stability. Emptied container retains vapor and product residue. Follow all MSDS/label precautions even after the container is emptied.



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7.3 SPECIFIC USES:

See section 1.2 for details.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

8.1 EXPOSURE PARAMETERS:

Chemical Name	CAS#	ACGIH TLV	OSHA TWA
Methyl Methacrylate	80-62-6	205 mg/m ³	410 mg/m ³
2-Ethylhexyl Acrylate	103-11-7	Not Listed	Not Listed
1,4-butanediol dimethacrylate	2082-81-7	Not Listed	Not Listed
N,N-bis-(2-hydroxypropyl)-p-toluidine	38668-48-3	Not Listed	Not Listed
(2-hydroxy-4-methoxyphenyl)phenylmethanone	131-57-7	Not Listed	Not Listed

8.2 EXPOSURE CONTROLS:

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below guidelines listed above. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Safety glasses or chemical splash goggles are recommended to avoid contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION: Chemical resistant gloves are recommended to prevent contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION: Use as appropriate to prevent skin contact. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9. PHYSICAL and CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE (Physical State) and COLOR: This product is a bluish, slightly turbid liquid with an ester-like odor.

ODOR: Mild

ODOR THRESHOLD: Not Available

pH: Not Applicable

MELTING/FREEZING POINT: -48 °C / -54 °F (1,013 hPa)

BOILING POINT: 212°F (100°C)

FLASH POINT: 50°F (10°C)

EVAPORATION RATE (n-BuAc=1): >1

FLAMMABILITY (SOLID, GAS): Not Applicable

UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS: 2.1%, 12.5%

VAPOR PRESSURE (mm Hg @ 20°C (68°F): ca. 40 hPa

VAPOR DENSITY: >1

RELATIVE DENSITY: Not Available

DENSITY: Not Available

SPECIFIC GRAVITY: 0.97 g/cm³

SOLUBILITY IN WATER: ca.20 g/l

WEIGHT PER GALLON: Not Available

PARTITION COEFFICIENT (n-octanol/water): Not Available



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AUTO-IGNITION TEMPERATURE: Not Available
DECOMPOSITION TEMPERATURE: Not Available
VISCOSITY: Dynamic- 200 mPa·s at 23 °C / 73 °F (Brookfield)
VOC g/l / Lb/gal: Not Available

9.2 OTHER INFORMATION:

No additional information available

10. STABILITY and REACTIVITY

10.1 REACTIVITY: The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution.

10.2 STABILITY: Stable under conditions of normal storage and use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Vigorous polymerization is possible when heated /exposed to heat.

10.4 CONDITIONS TO AVOID: Incompatible materials, excessive heat. Avoid ultraviolet light.

10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Peroxides, amines, sulfur compounds, heavy metal ions, alkalis, reducing agents and oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition products include carbon dioxide, carbon monoxide, various hydrocarbons.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

TOXICITY DATA:

Methyl Methacrylate CAS# 80-62-6

Oral rat LD50: >5,000 mg/kg

Skin rabbit LD50: >5,000 mg/m³

SUSPECTED CANCER AGENT: Ingredients within this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are considered to be, or suspected to be, cancer-causing agents by these agencies.

Methyl Methacrylate CAS#: 80-62-6 Group 3 Not classifiable as to its carcinogenicity to humans

IRRITANCY OF PRODUCT: This product may be irritating to skin, eyes or respiratory system.

SENSITIZATION TO THE PRODUCT: This product is considered to be a skin sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

MUTAGENICITY INFORMATION: This product does not contain a component that is suspected to be a mutagenicity hazard.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: Data not sufficient for classification.

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: Data not sufficient for classification.

12. ECOLOGICAL INFORMATION

12.1 TOXICITY:

Methyl Methacrylate CAS# 101-68-8:

LC50: >79 mg/l Oncorhynchus mykiss, 24 hrs EC50: 69 mg/l 24 hrs.

EC50: 69 mg/l Daphnia magna, OECD 202, flow through, 48 h

Aquaticity, algae / aquatic plants EC3 : 37 mg/l Scenedesmus quadricauda, DIN 38412, Cell Proliferation Inhibition Test, 8 d

Toxicity in microorganisms EC0 :100 mg/l Pseudomonas putida

12.2 PERSISTENCE AND DEGRADABILITY:

No specific data available on this product.

12.3 BIOACCUMULATIVE POTENTIAL:

No specific data available on this product.

12.4 MOBILITY IN SOIL:

No specific data available on this product.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT:

No specific data available on this product.



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12.6 OTHER ADVERSE EFFECTS:

This product may cause harm to plants, animals or aquatic life.

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.7 WATER ENDANGERMENT CLASS:

Not water endangering in accordance with EU Guideline 91/155-EWG.

12.8 SPECIFIC AVAILABLE COMPONENT INFORMATION:

No additional data available

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

13.2 EU Waste Code:

Not determined

14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

BULK SHIPMENTS WITHIN U.S.:

14.1 PROPER SHIPPING NAME:

Resin Solution

14.2 HAZARD CLASS NUMBER and DESCRIPTION:

Class 3 Flammable Liquids

14.3 UN IDENTIFICATION NUMBER:

UN1866

14.4 PACKING GROUP:

PGII

14.5 DOT LABEL(S) REQUIRED:

Class 3 Flammable Liquids

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: 127

RQ QUANTITY:

NA

14.6 MARINE POLLUTANT: None of the components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.7 SPECIAL PRECAUTIONS FOR USER: None

14.8 INTERNATIONAL TRANSPORTATION:

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):

PROPER SHIPPING NAME:

Resin Solution

HAZARD CLASS NUMBER and DESCRIPTION:

Class 3 Flammable Liquids

UN IDENTIFICATION NUMBER:

UN1866

PACKING GROUP:

PGII

DOT LABEL(S) REQUIRED:

Class 3 Flammable Liquids

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is considered as dangerous goods.

14.9 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE:

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD

(ADR): This product is considered by the United Nations Economic Commission for Europe to be dangerous goods.

15. REGULATORY INFORMATION

15.1 UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

Section 313: Methyl Methacrylate CAS# 80-62-6

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Methyl Methacrylate CAS# 80-62-6 1,000 lbs



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U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory or are exempted from listing.

OTHER U.S. FEDERAL REGULATIONS: None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): Ingredients within this product are not on the Proposition 65 Lists.

15.2 CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL Inventory, or are exempted from listing.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Complies with WHMIS 2015.

15.3 EUROPEAN ECONOMIC COMMUNITY INFORMATION:

This product does meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

See Section 2 for full Details.

15.4 AUSTRALIAN INFORMATION FOR PRODUCT: This product contains one or more components not listed on the Australia International Chemical Inventory List.

15.5 JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

JAPANESE ENCS INVENTORY: The components of this product are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW: No component of this product is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.

15.6 INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

Swiss Giftlist List of Toxic Substances: Listed

U.S. TSCA: Listed

16. OTHER INFORMATION

PREPARED BY: Chris Eigbrett – (**MSDS to GHS Compliance**)

DATE OF PRINTING: January 20, 2019

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Tennant Company assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Tennant Company assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

END OF SDS SHEET