



SAFETY DATA SHEET

MMA Bonding Additive

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 Bonding Additive

SYNONYMS:

N/A

CAS#:

Mixture

PRODUCT #:

9006645

1.2 PRODUCT USE:

Various uses

CHEMICAL SHIPPING NAME/CLASS:

Resin Solution Class 3

U.N. NUMBER:

UN1866

1.3 NORTH AMERICA:

MANUFACTURER'S NAME:

Tennant Company

ADDRESS:

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

BUSINESS PHONE:

1-763-540-1200

1.4 EUROPE:

MANUFACTURER'S NAME:

Tennant Benelux N.V.

ADDRESS:

Roderveldaan 3, 2600 Antwerpen, Belgium

BUSINESS PHONE:

+32-3-2179411

EMERGENCY PHONE:

800-424-9300 (Chemtrec U.S. – 24 Hrs)

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

info@tennantco.com

EMAIL:

DATE OF CURRENT REVISION:

January 19, 2019

DATE OF LAST REVISION:

October 25, 2016

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is an amber-brown clear liquid with an ester-like odor.

Health Hazards: Exposure may cause irritation to skin. May cause irritation to eyes upon contact. Inhalation of vapors or mist at high concentrations may be harmful. May be harmful if swallowed. Suspected of causing cancer. May cause sensitization of the skin or respiratory system.

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

Reactivity Hazards: None known

Environmental Hazards: The Environmental effects of this product have not been investigated. Release of this product may have significant adverse effects in the aquatic environment.

US DOT SYMBOLS

CANADA (WHMIS) SYMBOLS

EUROPEAN and (GHS) Hazard Symbols

See Section 14

Complies with WHMIS 2015



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# 247-714-0 Annex VI Index# 615-005-00-9

EC# 202-966-0 Annex VI Index# 615-005-00-9

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

EC# 265-158-7 Annex VI Index# 649-468-00-3

EC# 618-498-9 is not listed in Annex VI

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



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Component(s) Contributing to Classification(s): All Components in Section 3

2.2 LABEL ELEMENTS:

GHS Hazard Classification(s):

Flammable Liquid Category 2
Acute Inhalation Toxicity Category 4
Eye Irritant Category 2
Skin Irritant Category 2
Respiratory Sensitizer Category 1
Skin Sensitizer Category 1
Carcinogenic Toxicity Category 2
STOT SE Category 3
STOT RE Category 2
Aquatic Acute Category 3

Hazard Statement(s):

H225: Highly flammable liquid and vapour
H332: Harmful if inhaled
H319: Causes serious eye irritation
H315: Causes skin irritation
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
H317: May cause allergic skin reaction
H351: Suspected of causing cancer
H335: May cause respiratory irritation
H373: May cause damage to organs through prolonged or repeated exposure.
H402: Harmful to aquatic life.

Prevention Statement(s):

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
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
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
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
P284: In case of inadequate ventilation wear respiratory protection.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.

Response Statements:

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.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash 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.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P312: Call a POISON CENTER/doctor if you feel unwell.
P314: Get medical advice/attention if you feel unwell.
P308+P313: IF exposed or concerned: Get medical advice/attention.



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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: TDI vapors or mist at concentrations above the TLV can irritate (burning sensation) the mucous membranes in the respiratory tract (nose, throat, lungs) causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing obstruction). High vapor concentrations may cause central nervous system (CNS) depression as evidenced by giddiness, headache, dizziness, and nausea.

CONTACT WITH SKIN: Isocyanates react with skin protein and moisture and can cause irritation. Prolonged contact can cause reddening, swelling, rash, scaling, blistering, and, in some cases, skin sensitization.

EYE CONTACT: Liquid, aerosols or vapors are severely irritating and can cause pain, tearing, reddening and swelling.

INGESTION: Can result in irritating and corrosive action in the mouth, stomach tissue and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.

CHRONIC: Repeated exposure above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure to the chemical. The symptoms may include coughing, wheezing, shortness of breath and chest tightness, and may be fatal. Central nervous system (CNS) impairment leading to unconsciousness.

TARGET ORGANS: Acute: Skin, Respiratory System and Eyes **Chronic:** Skin, Respiratory System

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	Hazard Classification per the manufacturer
Polyisocyanate Prepolymer (pMDI)	30-60%	Proprietary	Proprietary	H225: Flammable Liquid Cat 2, H315: Skin Irritant Cat 2, H317: Skin Sensitizer Category 1, H335: STOT SE Cat 3, H334: Respiratory Sensitizer Category 1, H319: Eye Irritant Cat 2, H373: STOT RE Cat 2, H333: Acute Toxicity (Dermal) Category 4, H402: Aquatic Acute Category 3
Methyl Methacrylate	30-60%	80-62-6	201-297-1	
4,4'-methylenediphenyl diisocyanate diphenylmethane-4,4'-diisocyanate	<15%	101-68-8	202-966-0	
Polymeric Diphenylmethane Diisocyanate (pMDI)	<10%	9016-87-9	618-498-9	
Methylenediphenyl diisocyanate	<5%	26447-40-5	247-714-0	
Petroleum Distillate	<5%	64742-55-8	265-158-7	
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.

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: Some individuals may develop skin or respiratory sensitization from exposure.



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4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Exposure may cause irritation to skin. May cause irritation to eyes upon contact. Inhalation of vapors or mist at high concentrations may be harmful. May be harmful if swallowed. Suspected of causing cancer. May cause sensitization of the skin or respiratory system.

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:

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

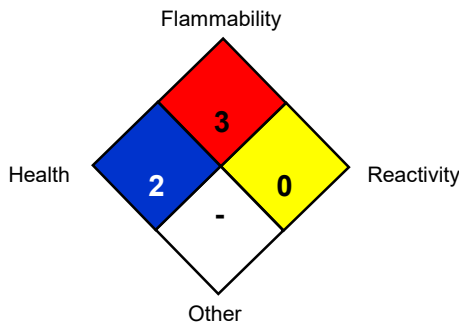
5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may forcibly rupture under extreme heat or when contents are contaminated with water (CO2 is formed). Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

Explosion Sensitivity to Mechanical Impact: Yes
Explosion Sensitivity to Static Discharge: Yes

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)			0
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.

6.2 ENVIRONMENTAL PRECAUTIONS:

None known

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 diking 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).



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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.

7.2 STORAGE AND HANDLING PRACTICES:

Keep container tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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
Polyisocyanate Prepolymer (pMDI)	Proprietary	Not listed	Not listed
Methyl Methacrylate	80-62-6	50 ppm	Not listed
4,4'-methylenediphenyl diisocyanate diphenylmethane-4,4'-diisocyanate	101-68-8	0.0005 mg/m ³	0.2 mg/m ³
Polymeric Diphenylmethane Diisocyanate (pMDI)	9016-87-9	Not listed	Not listed
Methylenediphenyl diisocyanate	26447-40-5	0.0005 mg/m ³	0.2 mg/m ³
Petroleum Distillate	64742-55-8	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 an amber-brown clear liquid with an ester-like odor.

ODOR: Ester-like

ODOR THRESHOLD: Not Available

pH: Not Applicable

MELTING/FREEZING POINT: Not Available

BOILING POINT: 100.3°C

FLASH POINT: 50°F (10°C)

EVAPORATION RATE (n-BuAc=1): Not Available



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FLAMMABILITY (SOLID, GAS): Not Applicable
UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS: Lower 2.1% Upper 12.5%
VAPOR PRESSURE (mm Hg @ 20°C (68°F): Not Available
VAPOR DENSITY: Not Available
RELATIVE DENSITY: Not Available
DENSITY: Not Available
SPECIFIC GRAVITY: 1.06 @ 25°C
SOLUBILITY IN WATER: Not Available
WEIGHT PER GALLON: Not Available
PARTITION COEFFICIENT (n-octanol/water): Not Available
AUTO-IGNITION TEMPERATURE: Not Available
DECOMPOSITION TEMPERATURE: Not Available
VISCOSITY: Not Available
VOC g/l / Lb/gal: Not Available
9.2 OTHER INFORMATION:
No additional information available

10. STABILITY and REACTIVITY

10.1 REACTIVITY: This product is not reactive.
10.2 STABILITY: Stable under conditions of normal storage and use.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur under normal conditions.
10.4 CONDITIONS TO AVOID: Heat, flames, and sparks.
10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Keep away from strong oxidizing agents, strong alkalis and strong acids.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products formed under fire conditions, Carbon oxides.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

TOXICITY DATA:

Methyl Methacrylate CAS# 80-62-6: LC50 Inhalation Rat: 29.8 mg/l - 4 hrs

4,4'-Diphenylmethane Diisocyanate CAS# 101-68-8: LC50 Inhalation Rat: 369 mg/m³. 4 hr.

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

4,4'-methylenediphenyl diisocyanate diphenylmethane-4,4'-diisocyanate CAS#: 101-68-8 Group 3 Not classifiable as to its carcinogenicity to humans

Polymeric Diphenylmethane Diisocyanate (pMDI) CAS# 9016-87-9 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 and respiratory 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: May cause respiratory irritation.

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: Repeated or prolonged exposure may cause organ damage.



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12. ECOLOGICAL INFORMATION

12.1 TOXICITY:

4,4'-Diphenylmethane Diisocyanate CAS# 101-68-8:
LC50: >500 mg/l Zebra fish, 24 hrs. EC50: >500 mg/l 24 hrs.
Methyl Methacrylate CAS# 101-68-8:
LC50: >79 mg/l Oncorhynchus mykiss, 24 hrs EC50: 69 mg/l 24 hrs.

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 ANDvPvB ASSESSMENT:

No specific data available on this product.

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.:

<u>14.1 PROPER SHIPPING NAME:</u>	Resin Solution
<u>14.2 HAZARD CLASS NUMBER and DESCRIPTION:</u>	Class 3 Flammable Liquids
<u>14.3 UN IDENTIFICATION NUMBER:</u>	UN1866
<u>14.4 PACKING GROUP:</u>	PGII
<u>14.5 DOT LABEL(S) REQUIRED:</u>	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.



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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: Polyisocyanate Prepolymer (pMDI) CAS# Proprietary

4,4'-methylenediphenyl diisocyanate diphenylmethane-4,4'-diisocyanate CAS # 101-68-8

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):

4,4'-methylenediphenyl diisocyanate diphenylmethane-4,4'-diisocyanate CAS # 101-68-8 5,000 lbs

Methyl Methacrylate CAS# 80-62-6 1,000 lbs

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/NDL 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: The components of this product are listed on the 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 Giftliste List of Toxic Substances: Listed

U.S. TSCA: Listed



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16. OTHER INFORMATION

PREPARED BY: Chris Eigbrett – (MSDS to GHS Compliance)
DATE OF PRINTING: January 19, 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 no adhered to as stipulated in the data sheet. Furthermore, Tenant Company assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

END OF SDS SHEET