

JM TPO Water Based Membrane Adhesive

Version 2.1

Revision Date 07/21/2014

Print Date 07/21/2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : JM TPO Water Based Membrane Adhesive

Chemical nature :

Manufacturer or supplier's details

Company : Johns Manville

Address : P.O. Box 5108
Denver, CO USA 80127

Telephone : 303-978-2000 8:00AM-5:00PM M-F

Emergency telephone number : 1-800-424-9300 (Chemtrec, in English)

Prepared by : productsafety@jm.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2B

Label elements

Hazard pictograms



Signal word : Warning

Hazard statements : Causes eye irritation.
Causes skin irritation.

Precautionary statements : Wash hands thoroughly after handling.
Wear protective gloves.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. If eye irritation persists: Get medical advice/ attention.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
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Rubber, natural

9006-04-6

>= 20 - < 30 %

SECTION 4. FIRST AID MEASURES

- If inhaled : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
If in eyes, rinse with water for 15 minutes.
- If swallowed : Keep respiratory tract clear.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Protection of first-aiders : Do not leave the victim unattended.

SECTION 5. FIREFIGHTING MEASURES

- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Standard procedure for chemical fires.
- Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

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Components	CAS-No.	Form of exposure	Permissible concentration	Basis Update
Rubber, natural	9006-04-6	TWA (Inhalable fraction)	0.0001 mg/m ³	ACGIH (2008-01-01)

*Any OSHA PELs with Issue Date 1989: Vacated by court of appeals in 1992.

Personal protective equipment

Respiratory protection	: No personal respiratory protective equipment normally required.
Hand protection	
Remarks	: For prolonged or repeated contact use protective gloves.
Eye protection	: Safety glasses
Skin and body protection	: If used and stored as directed, no special protective equipment is necessary.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Written instructions for handling must be available at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: light blue
Odour	: ammoniacal
Odour Threshold	: no data available
pH	: 9.5
Melting point/freezing point	: no data available
Boiling point/boiling range	: 100 °C
Flash point	: not applicable
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: 0.99

Solubility(ies)

Water solubility	: soluble
Solubility in other solvents	: no data available

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Partition coefficient: n-octanol/water : no data available

Auto-ignition temperature : no data available

Thermal decomposition : no data available

Viscosity

Viscosity, dynamic : no data available

Viscosity, kinematic : no data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : The product is chemically stable.
No decomposition if stored and applied as directed.

Possibility of hazardous reactions : With oxidizing agents possible.

Stable under recommended storage conditions. No hazards to be specially mentioned.

Conditions to avoid : no data available

Hazardous decomposition products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

no data available

Skin corrosion/irritation**Product****Serious eye damage/eye irritation****Product****Respiratory or skin sensitisation**

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

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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 maintained in the OSHA Hazard Communication standard (29 CFR 1910.1200) and sections 1910.1001-1052.

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.

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Aspiration toxicity

no data available

Further information**Product**

no data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Results of PBT and vPvB assessment

no data available

Other adverse effects**Product:**

Additional ecological information : no data available

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal. Packaging that can not be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

These products are not classified as dangerous goods according to international transport regulations.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Ammonia	7664-41-7	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Ammonia	7664-41-7	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 302

: The following components are subject to reporting levels established by SARA Title III, Section 302:
Ammonia 7664-41-7 0.4

SARA 313

: 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.

US State Regulations

Massachusetts Right To Know

Ammonia	7664-41-7	0.1 - 1 %
acrylonitrile	107-13-1	0 - 0.1 %
vinyl acetate	108-05-4	0 - 0.1 %

Pennsylvania Right To Know

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Rubber, natural	9006-04-6	20 - 30 %
2-Propenoic acid, polymer with butyl 2-propenoate and 2-propenenitrile	25686-45-7	20 - 30 %
Ammonia	7664-41-7	0.1 - 1 %
acrylonitrile	107-13-1	0 - 0.1 %
vinyl acetate	108-05-4	0 - 0.1 %
acrylic acid	79-10-7	0 - 0.1 %

New Jersey Right To Know

Rubber, natural	9006-04-6	20 - 30 %
2-Propenoic acid, polymer with butyl 2-propenoate and 2-propenenitrile	25686-45-7	20 - 30 %

California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

acrylonitrile	107-13-1
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The components of this product are reported in the following inventories:

TSCA Listed on TSCA

SECTION 16. OTHER INFORMATION**Further information**

Prepared by productsafety@jm.com

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.