



REINFORCED TPO MEMBRANE

SDS Number: 300428

Revision Date: 9/23/2014

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1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: REINFORCED TPO MEMBRANE
Revision Date: 9/23/2014
Version: 009
SDS Number: 300428
Chemical Formula: Mixture.
Product Use: Roof and Waterproofing Membrane.

Company Information

Exceptional® Metals, Inc.
831 Morley Drive
Saginaw, Michigan 48601

Telephone: (989) 753-6486
FAX: (989) 753-7073
Emergency: (800) 535-5053 (Infotrac)

2 HAZARDS IDENTIFICATION

Route of Entry: The heat welding of this product may have irritating effects on the eyes, skin and respiratory tract. Ingestion is unlikely.

Target Organs: Not Applicable.

Inhalation: Inhalation of vapors from this product during heat welding may cause respiratory tract irritation.

Skin Contact: Exposure to hot surfaces during heat welding may cause thermal burns.

Eye Contact: Vapor from this product during heat welding may irritate eyes.

Ingestion: Ingestion unlikely; no known health effects.

There are no known carcinogenic effects from this product.

There are no known medical conditions that are aggravated by long-term exposure.

There are no known chronic effects from exposure to this product.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Components	CAS#	Percentage by wt. or vol.
Polypropylene ethylene copolymer	9010-79-1	>50%
Flame retardants	Non-hazardous	>15%
Stabilizers	Trade secret	>5%

This product is considered to be a finished product as defined by 29 CFR 1910.1200 and is exempt from the requirements of the Hazard Communications Standard. This product is nonhazardous as per 29 CFR 1910.1200.

4 FIRST AID MEASURES

Inhalation: If breathing becomes difficult, move person from heat welding area and get medical attention.

Skin Contact: If skin is burned from welding operation, cool with running water. Get medical attention if necessary.

Eye Contact: If eye irritation continues after welding, flush eyes with water for 15 minutes.

Ingestion: Not Applicable.



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5 FIRE FIGHTING MEASURES

Flammability: Not Flammable.
Flash Point: >624° F (>329° C)
Flash Point Method: Setchkin.
Burning Rate: Not Determined.
Autoignition Temp: >675° F (>357° C)
LEL: Not Applicable.
UEL: Not Applicable.

Extinguishing Media: Water spray, dry chemical, foam, or carbon dioxide.

Unusual Fire or Explosion Hazards: None.

Hazardous Combustion Products: Toxic gases or vapors, such as carbon monoxide and other organic compounds may be released in a fire.

Fire-Fighting Instructions: Follow standard procedures for Class A fires. Use self-contained breathing apparatus (SCBA) and protective clothing for structural fire fighting.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6 ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: Handle as normal solid waste.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.1200).

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sparks and open flame.

Storage Requirements: This product may react with strong oxidizing agents and should not be stored near such materials. Best to store rolls in areas protected by automatic sprinklers. Store product below 140° F (60° C) to prevent roll sticking at installation.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation during heat welding. Heat welding in an outdoor environment will normally provide adequate ventilation. Administrative controls must assure that adequate ventilation is provided during heat welding.

Personal Protective Equip: A respiratory protection program that meets OSHA 1910.134, ANSI Z88.2 and/or CSA Z94.4-93 requirements must be followed whenever workplace conditions warrant use of a respirator. Work boots and work clothing recommended. Sunglasses which filter out ultraviolet light are strongly recommended since the white surface is highly reflective to sunlight. White surfaces reflect heat and light. Roofing technicians should dress appropriately and wear sunscreen to protect skin from the sun.

Safety Stations: Emergency eyewash stations or a source of clean running water recommended in the vicinity of the project.

Comments: Never eat, drink, or smoke in work areas. Best to wash hands after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.



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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White-on-black sheets (white may be replaced with tan, grey, etc.)	Odor:	Slight waxy odor.
Physical State:	Solid.	Solubility:	Practically insoluble in water.
Odor Threshold:	Not Determined.	Freezing/Melting Pt.:	>248° F (>120° C)
Spec Grav./Density:	0.95-1.05	Vapor Density:	Not Applicable.
Viscosity:	Not Applicable.		
Boiling Point:	Not Applicable.		
Vapor Pressure:	Not Applicable.		
pH:	Not Applicable.		
Evap. Rate:	Not Applicable.		

10 STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Keep away from heat, sparks or open flame.
Materials to Avoid:	Any strong oxidizing agents.
Hazardous Decomposition:	Gases or vapors such as carbon monoxide, carbon dioxide, or oxides of nitrogen, and other organic compounds may be released in a fire.
Hazardous Polymerization:	Polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

There is no known toxicological data for this product. There is also no evidence to show chronic health effects.

12 ECOLOGICAL INFORMATION

This product is not readily biodegradable. Any environmental degradation or soil absorption data has not been determined.

13 DISPOSAL CONSIDERATIONS

Disposal of this product can be accomplished in a few different ways. First, the product can be recycled or reprocessed. Second, it can be incinerated including the energy recovery of waste material in a permitted facility in accordance with Local, State and Federal Regulations. And finally, it can be landfilled in a licensed facility in accordance with Local, State and Federal Regulations.

This product is not judged to be a hazardous waste by any Local, State or Federal Regulation. This product is not listed in the U.S. Federal Hazardous Waste Regulations, 40 CFR 261.33 paragraphs (e) or (f).

14 TRANSPORT INFORMATION

This product is not regulated by DOT, IMO, IATA, Canadian TDG and associated regulations ADR or RID.



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REGULATORY INFORMATION

EPA Regulations:

RCRA Hazardous Waste Number:	Not Listed.
RCRA Hazardous Waste Classification:	Not Classified.
CERCLA Hazardous Substance:	Not Listed.
CERCLA Reportable Quantity (RQ):	Not Listed.
SARA 311/312 Codes:	This product is not subject to SARA Title III requirements.
SARA Toxic Chemical (40 CFR 372.65):	Not Listed.
SARA EHS (Extremely Hazardous Substance) (40 CFR 355):	Not Listed.

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A):	Not Listed.
OSHA Specifically Regulated Substance:	Not Listed.

State Regulations: California Proposition 65: This product contains no chemicals that are known to the State of California to cause cancer.

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OTHER INFORMATION

The information contained in this document is based upon data that was supplied to Exceptional® Metals, Inc. by other companies and organizations. No warranty of merchantability or fitness for a particular purpose is expressed or implied regarding the accuracy or completeness of the data and/or information in this Safety Data Sheet (SDS).