

SAFETY DATA SHEET

PMS 1542P Prepolymer

Section 1. Identification

GHS product identifier : PMS 1542P Prepolymer

Other means of identification : Not available

Product type : Viscous liquid / waxy solid at room temperature

Material Uses : Polyurethane coatings and adhesives

Supplier's details : Fix-A-Floor Worldwide, Inc.

4175 Webb Street Pryor, Oklahoma 74361

Email address of person Responsible for this SDS : Chemtrec: 1-800-424-9300

Emergency telephone number (24h/7day) :

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance or mixture : ACUTE TOXICITY: INHALATION Category 4
SKIN IRRITATION – Category 2
EYE IRRITATION – Category 2B
RESPIRATORY SENSITIZATION
RESPIRATORY IRRITATION single exposure – Category 3

GHS label elements

Hazard pictograms:



Signal word:

Danger

Hazard statements:

Harmful if inhaled.
May cause skin and eye irritation.
May cause respiratory sensitization.
May cause respiratory irritation.

Precautionary statement:

Wear eye or face protection as well as protective gloves. Always wear chemical respiratory protection masks to prevent exposure to vapors. Wash hands thoroughly after handling. Avoid ingestion, inhalation, skin and eye contact. IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position. Call a POISON CENTER if you feel unwell or if you are experiencing respiratory symptoms. IF IN EYES: Rinse for a few minutes. If eye irritation persists get medical attention. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not result in classification: Not available.

Section 3. Composition / information on ingredients

Chemical Family: Proprietary Polyurethane isocyanate terminated prepolymer.

<u>Hazardous Components:</u>	<u>CAS No.</u>	<u>Weight %</u>
Polyurethane Prepolymer		60 – 90%
Diphenylmethane Diisocyanate (MDI)	101-68-8	< 40%

Ranges are given to allow for production variances and protect the proprietary nature of this product.

Section 4. First aid measures

EYE CONTACT: Flush eyes with plenty of lukewarm water for at least 15 minutes. Make sure eye is well irrigated. Get medical attention.

SKIN CONTACT: Wash affected areas with soap and water. Immediately remove contaminated clothing and shoes and clean well before re-use. Get medical attention if irritation develops and persists.

INHALATION: Remove to fresh air. Give oxygen, if breathing is difficult.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

NOTE TO PHYSICIAN: No specific antidote or neutralizers to isocyanates exist. Treat symptomatically.

Section 5. Fire-fighting measures

FLASH POINT

Approximately 420°F for MDI (Pensky-Martens CC) Not known for finished product

EXTINGUISHING MEDIA

Water spray, carbon dioxide, dry chemical or appropriate foam

SPECIAL FIREFIGHTING PROCEDURES

Firefighters should wear self-contained breathing apparatus and protective clothing to protect against potentially toxic and irritating fumes.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

Toxic and irritating fumes may be emitted during thermal decomposition. Nitrous gases, fumes/smoke and isocyanates vapors may be present.

Section 6. Accidental release measures

Cleanup personnel must wear appropriate personal protection equipment including respirator, safety goggles, rubber boots and heavy rubber gloves. All sources of ignition must be removed. Prevent leakage of spilled material into sewers, surface or ground water using dams or dikes. Cover spill with inert material and collect for proper disposal. Wash area with soap and water.

Section 7. Handling and storage

STORAGE TEMPERATURE:

Minimum	0°C (32°F)
Maximum	35°C (95°F)

STORAGE PERIOD:

6 months after receipt

HANDLING / STORAGE PRECAUTIONS:

Keep away from heat, sparks and open flames. Ground containers to prevent sparks or static during transfer. Use with adequate ventilation. Avoid breathing vapors and contact with eyes or skin. Keep container closed when not in use.

Section 8. Exposure controls/personal protection

EXPOSURE LIMITS

4,4'-Diphenylmethane Diisocyanate(MDI)
CAS 101-68-8

OSHA (PEL)
.02 ppm

ACGIH (TLV)
0.005 ppm TWA

PERSONAL PROTECTION

Use appropriate chemical vapor mask to prevent exposure to vapors.
Use appropriate full face shield and/or safety goggles.
Use permeation resistant gloves. ie butyl, neoprene or nitrile
Use protective clothing to prevent skin contact.

ADDITIONAL PROTECTIVE MEASURES

Avoid contact with skin and eyes.
Use with adequate ventilation. Do not breathe vapors.
Emergency eye wash stations and showers should be readily available.

Section 9. Physical and chemical properties

Form:	liquid / solid
Appearance:	slightly hazy
Color:	clear to slight yellow
Odor:	Slight isocyanate
pH:	n/a
Freezing point:	not established
Boiling point:	n/a
Flash point:	approx. 420°F
Vapor pressure:	not established
Specific gravity:	1.2
Solubility in H ₂ O:	Insoluble
Autoignition temperature:	not established
Bulk density:	approx. 9.9 lb/gal

Section 10. Stability and reactivity

HAZARDOUS REACTIONS

Hazardous polymerization may occur

STABILITY

Stable under recommended storage conditions

CONDITIONS TO AVOID

Contact with water, amines, strong bases, alcohols or strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition will result in carbon dioxide(CO₂), carbon monoxide(CO), oxides of nitrogen(NO_x), isocyanate, isocyanic acid and other undetermined compounds.

Section 11. Toxicological information

TOXICITY DATA FOR POLYMERIC DIPHENYLMETHANE DIISOCYANATE

Acute Oral Toxicity	LD50: > 2,000 mg/kg (rat)
Acute Inhalation Toxicity	LC50: 490 mg/m ³ , 4 hr (rat)
Acute Dermal Toxicity	Slightly irritating (rabbit)

Section 12. Ecological information

ECOLOGICAL – BASED ON DATA FOR POLYMERIC DIPHENYLMETHANE DIISOCYANATE

Degradation: In moist conditions, material reacts with water forming mostly insoluble polyureas.

Environmental Toxicity: This material is not volatile and of low water solubility

Section 13. Disposal considerations

Waste Disposal Method:

Waste disposal should be in accordance with existing federal, state and local environmental control laws. Burning residual material may produce toxic fumes.

Empty Container Precautions:

Do not heat or cut container with electric or gas torch. Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

Section 14. Transport information

Land Transport (DOT)

Proper Shipping Name:	POLYMERIC RESIN COMPOUND, Not regulated
Hazard Class:	None
UN/NA Number:	None
Packaging Group:	None
Hazard Label:	None

Sea Transport (IMDG)

Proper Shipping Name: POLYMERIC RESIN COMPOUND, Not regulated
Hazard Class: None
UN/NA Number: None
Packaging Group: None
Hazard Label: None

Air Transport (ICAO/IATA)

Proper Shipping Name: POLYMERIC RESIN COMPOUND, Not regulated
Hazard Class: None
UN/NA Number: None
Packaging Group: None
Hazard Label: None

Section 15. Regulatory information

UNITED STATES FEDERAL REGULATIONS

OSHA Hazcom Standard Rating: Hazardous
US Toxic Substances Control Act Experimental composition, TSCA Inventory status unknown.

US EPA CERCLA Hazardous Substances (40 CFR 302)

<u>Components</u>	<u>Reportable Quantity</u>
4,4-Diphenylmethane Diisocyanate(MDI)	5000 lbs

SARA Section 311/312 Hazard Categories: Acute Health Hazard, Chronic Health Hazard

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

Components
None

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Extremely Hazardous Substance (40 CFR 372.65)- Supplier Notification Required:

Components
4,4-Diphenylmethane Diisocyanate(MDI)

US EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

It is the responsibility of the user of this product to determine whether this product meets any of the criteria for a hazardous waste at the time of disposal since the seller has no control over the processes, reactions or storage transitions that the product is exposed to.

STATE RIGHT-TO-KNOW INFORMATION

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right-To-Know Substance Lists:

<u>Components</u>	<u>Weight %</u>	<u>CAS No.</u>
Polyurethane Prepolymer	9048-58-2	80 ñ 100 %
Diphenylmethane Diisocyanate (MDI)	101-68-8	0 ñ 20 %

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists:

<u>Components</u>	<u>Weight %</u>	<u>CAS No.</u>
Diphenylmethane Diisocyanate (MDI)	101-68-8	10 ñ 20%

California Proposition 65:

To the best of our knowledge, this product does not contain any of the listed chemicals that the state of California has found to cause cancer, birth defects or other reproductive harm.

Section 16. Other information

NFPA 704M Rating

Health	2
Flammability	1
Reactivity	1

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Rating

Health	2*
Flammability	1
Physical Hazard	1

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

*=Chronic Health Hazard

Date of Issue **July 30, 2020 updated October 13, 2020**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Fix-A-Floor Worldwide, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Fix-A-Floor Worldwide, Inc.

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