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Safety Data Sheet

Freeman 2075 Part A

Section 1 Identification

Section 1 Iden	ntification
Product Identifiers	
Freeman 2075 Part A	
Relevant Identified uses of the Substance or Mixture and u	sees Advised Against
Resin component of rigid polyurethane elastomer. For	
Details of the Supplier of the Safety Data Sheet	industrial/professional use only.
Freeman Manufacturing & Supply Company	
1101 Moore Road, Avon, OH 44011-4043 USA	24 Hour Emergency Number:
Telephone: +1 (440) 934-1902	CHEMTREC (800) 424-9300
Email: contactus@freemansupply.com	CHEMINEC (000) +2+ 3500
Section 2 Hazards	dentification
GHS Classification in Accordance with 29 CFR 1910.1200 ((OSHA HCS)
Acute Toxicity, inhalation, Category 4	
Skin Irritation, Category 2	
Eye Irritation, Category 2B	
Respiratory Sensitization, Category 1	
Skin Sensitization, Category 1	
Specific Target Organ Toxicity, Single Exposure, Catego	
Specific Target Organ Toxicity, Repeat Exposure, Categ	gory 2
Label Elements	
Danger	
Hazard Statements	
H315 Causes skin irritation.	
H320 Causes eye irritation.	
H332 Harmful if inhaled.	
H334 May cause allergy or asthma symptoms or breat	hing difficulties if inhaled.
H317 May cause an allergic skin reaction.	
H335 May cause respiratory irritation.	
H336 May cause drowsiness or dizziness.	
H373 May cause damage to lungs through prolonged of	or repeated exposure by innalation.
Precautionary Statements	
P260 Do not breathe vapors.	
P261 Avoid breathing vapors. P264 Wash thoroughly after handling.	
P264 wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area.	
P271 Ose only outdoors of ma wen-ventilated area. P272 Contaminated work clothing should not be allow	red out of the workplace
P280 Wear protective gloves.	eu out of the workplace.
P284 In case of inadequate ventilation, wear respirato	ry protection
P302+P352 IF ON SKIN: Wash with plenty of soap and	
P304+P340 IF INHALED: Remove person to fresh air a	
P305+P351+P338 IF IN EYES: Rinse cautiously with w	
Remove contact lenses, if present and easy to do. Cont	
P317 Get medical help.	and thomp.
P319 Get medical help if you feel unwell.	





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Section 2 Hazards Identification

P332+P317 If skin irritation occurs: Get medical help.

P333+P317 If skin irritation or rash occurs: Get medical help.

P362+364 Take off contaminated clothing and wash before reuse.

P337+P317 If eye irritation persists: Get medical help.

P342+P316 If experiencing respiratory symptoms: Get emergency medical help immediately.

P362+P364 Take off contaminated clothing and wash it before reuse.

P403+233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local, regional and national regulations.

Supplemental Information

Individuals sensitized to isocyanates should discontinue use. Long-term overexposure to isocyanates may cause lung damage. This is one part of a two-part system. Read and understand the hazard information on part B before using.

Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Concentration (%)
4,4'-Methylenediphenyl diisocyanate	101-68-8	60-70

Other ingredients are not classified as health, physical, or environmental hazards, or are present below cut-off/concentration limits.

Section 4 First Aid Measures

Description of First Aid Measures

Eye Contact: Rinse thoroughly with water for at least 15 minutes, holding the eyelids open to be sure the material is washed out. Get prompt medical attention.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop. Launder clothing before re-use. Discard items that cannot be decontaminated.

Inhalation: Do not breathe vapors. If inhaled, remove person to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

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

Most Important Symptoms/Effects

Causes skin and eye irritation. Vapors may cause respiratory irritation. May cause allergic skin and/or respiratory reaction in sensitized persons. Symptoms include skin rash, wheezing, shortness of breath, and other asthma symptoms. Prolonged inhalation overexposure may damage the lungs and respiratory system.

Indication of Immediate Medical Attention/Special Treatment

Immediate medical attention is required for asthmatic symptoms or serious inhalation exposure. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. Persons sensitized to isocyanates should not use this product.



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Section 5 Fire-Fighting Measures

Extinguishing Media

Use foam, carbon dioxide, or dry chemical. Do not use solid water stream.

Solid stream of water into hot product may cause violent steam generation or eruption.

Special Hazards

Not classified as flammable or combustible. Product will burn under fire conditions.

Do not allow run-off from fire-fighting to enter drains or waterways.

Advice for Firefighters

Wear positive pressure, self-contained breathing apparatus, and full-body protective clothing. Cool fire-exposed containers with water.

Section 6 Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Remove all ignition sources. Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors. Ventilate area. Caution – spill area may be slippery.

Methods and Material for Containment and Cleanup

Cover with an inert absorbent material and collect into an appropriate container for disposal. Do not seal the container because CO_2 is generated on contact with moisture and dangerous pressure buildup can occur. Decontaminate floor area with a mixture of water plus isopropyl alcohol (20%), household ammonia (10%), and detergent (2%). Do not allow discharge to enter waterways.

Section 7 Handling and Storage

Precautions for Safe Handling

Avoid breathing vapors, aerosols, and mists. Use with properly positioned local exhaust ventilation to prevent exposure. Avoid contact with the eyes, skin, and clothing. Wash thoroughly after handling. Do not eat, drink, or smoke in the work area. Keep container closed when not in use. Persons susceptible to skin sensitization problems, asthma, allergies, or chronic or recurrent respiratory disease, should not use this product.

Conditions for Safe Storage, Including any Incompatibilities

Store indoors at temperatures between 55°F and 95°F. Store in original, unopened containers. Protect from atmospheric moisture and water because isocyanates react with water to form carbon dioxide (CO_2) leading to potentially dangerous pressure build-up in sealed containers.

Section 8 Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name		Exposure Limits	
4,4'-Methylenediphenyl dii	socyanate	0.005 ppm TWA ACGIH TLV	
		0.02 ppm (C) OSHA PEL	

Ventilation

Use with properly positioned local exhaust ventilation to prevent exposure and maintain air levels below the occupational exposure limits.

Personal Protective Equipment

Respiratory Protection: If ventilation is not adequate, use an approved respirator with organic vapor cartridges or supplied air. Respirator selection and use should be based on contaminant type, form, and concentration. For higher exposures or in an emergency, use a supplied-air respirator.



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Section 8 Exposure Controls/Personal Protection

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber. **Eve Protection:** Wear chemical safety goggles.

Other Protective Measures

Wear impervious clothing to prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

Section 9 Physical and Chemical Properties

Appearance	Clear liquid
Odor	Mild odor
Odor Threshold	No data available
рН	Not applicable
Melting Point	No data available
Boiling Point	No data available
Flash Point (COC)	No data available
Evaporation Rate	No data available
Flammability Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	1.12 at 25°C
Solubility	Insoluble in wate
Coefficient: n-Octanol/Water	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	1,000-1,200 cP

Section 10 Stability and Reactivity

Reactivity

Isocyanates react with many chemicals, including alcohols and amines, and the rate of reaction increases with temperature. Reaction with water generates carbon dioxide and heat.

Chemical Stability

Stable under recommended conditions.

Possibility of Hazardous Reactions

Elevated temperatures can cause hazardous polymerization. Polymerization can be catalyzed by strong bases or water. Reaction with water generates carbon dioxide and results in heat and pressure build-up in closed systems.

Conditions to Avoid

Avoid moisture and temperatures below 55°F and above 95°F to protect product integrity and prevent pressure build-up in closed containers.

Incompatible Materials

Avoid contact with water, acids, bases, amines, and some metals (e.g., copper and copper alloys).

Hazardous Decomposition Products

Carbon dioxide (CO_2), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke, hydrogen cyanide (hydrocyanic acid).



Section 11 Toxicological Information

Acute Toxicity Values

Chemical Name	LC ₅₀ Inhalation (Rat)	LD ₅₀ Oral (Rat)	LD ₅₀ Dermal (Rat)	
4,4'-Methylenediphenyl	0.49 mg/L 4 hr.	>5,000 mg/kg	>9,400 mg/kg	
diisocyanate	(dust/mist)	>3,000 mg/ kg	>9,400 mg/ kg	

Acute Health Effects

Eye Contact: May cause eye irritation.

Skin Contact: Causes skin irritation. Skin contact may cause an allergic skin reaction. Animal studies indicate that skin contact with isocyanates may affect potential respiratory sensitization.

Inhalation: At room temperature, vapors are minimal due to low volatility. Vapors or aerosols (e.g., generated during heating or spraying) may cause respiratory irritation and possibly pulmonary edema. May cause respiratory sensitization. For individuals sensitized to isocyanates, exposure may result in allergic respiratory reactions (e.g., coughing, wheezing, difficulty breathing).

Ingestion: Single oral dose toxicity is low. Ingesting large amounts may cause adverse gastrointestinal effects.

Chronic Health Effects

Carcinogenicity: Product has not been tested for carcinogenicity. No ingredients are designated as carcinogens by NTP, IARC, or OSHA.

Reproductive Toxicity: Product has not been tested for reproductive toxicity. No ingredients present above cut-off levels are classified as reproductive toxins.

Germ Cell Mutagenicity: Product has not been tested for mutagenicity. No ingredients are classified as mutagens.

Respiratory Sensitization: Repeated or prolonged exposure to isocyanates above exposure limits may cause an allergic sensitization of the respiratory tract causing an asthma-like response upon re-exposure. **Skin Sensitization:** Repeated or prolonged dermal contact with this product may cause allergic skin sensitization in some individuals.

Specific Target Organ Toxicity, Single Exposure: May cause respiratory irritation.

Specific Target Organ Toxicity, Repeated Exposure: After repeated exposure, isocyanates may cause respiratory irritation and lung damage.

Section 12 Ecological Information

Ecotoxicity: No data available. Do not release into waterways. **Persistence and Degradability:** No data available. **Bioaccumulative Potential:** Isocyanates are not expected to bioaccumulate. **Mobility in Soil:** No data available.

Section 13 Disposal Considerations

Dispose according to local, state, and federal regulations. Upon exposure to moisture, product forms an inert, non-hazardous solid.

Section 14 Transport Information

DOT

NA3082, Other regulated substances, liquid, n.o.s. (MDI), 9, PG III. Reportable Quantity (RQ): 5000 lb.



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Section 14 Transport Information

IMDG/IATA

Not regulated for transport.

Section 15 Regulatory Information

U.S. Federal Regulations

CERCLA 103 Reportable Quantity: RQ for MDI is 5,000 lb. Some States have more stringent requirements. Report spills in accordance with local, state, and federal regulations.

SARA Title III Section 311/312: See Section 2

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: 4,4'-Methylenediphenyl diisocyanate (CAS 101-68-8) 60-70%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA. **U.S. State Regulations**

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Section 16 Other Information

Training Advice

All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions

This product is intended for industrial/professional use only.

Disclaimer

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

Date of initial release: January 10, 2022 Previous revision date: January 10, 2022 Current revision date: February 17, 2025



Freeman 2075 Part B

Section 1 Identification

oduct Identifiers		
Freeman 2075 Part B		
elevant Identified Uses of the Substance or Mixtu	re	
Hardener component of rigid polyurethane ela	astomer. For industrial/p	rofessional use only.
etails of the Supplier of the Safety Data Sheet	7 1	2
Freeman Manufacturing & Supply Company		
1101 Moore Road, Avon, OH 44011-4043 USA	24 Ho	ur Emergency Number:
Telephone: +1 (440) 934-1902		TREC (800) 424-9300
Email: contactus@freemansupply.com		
Section 2 I	Hazards Identification	
HS Classification in Accordance with 29 CFR 1910).1200 (OSHA HCS)	
Skin Irritation, Category 2		
Carcinogenicity, Category 2		
ibel Elements		
\wedge		
Warning		
Hazard statements		
H315 Causes skin irritation.		
H351 Suspected of causing cancer.		
Precautionary statements		
P203 Obtain, read and follow all safety instruc	ctions before use.	
P264 Wash thoroughly after handling.		
P280 Wear protective gloves, protective clothi		ce protection.
P302+P352 IF ON SKIN: Wash with plenty of s		
P318 IF exposed or concerned, get medical ad		
P332+P317 If skin irritation occurs: Get medic		
P362+P364 Take off contaminated clothing an	nd wash it before reuse.	
P405 Store locked up.		
$\mathbf{D} \mathbf{f} 0 1 \mathbf{D}$	ance with local, state, and	federal regulations.
P501 Dispose of contents/container in accord	, , ,	
ipplemental Information		
		information on part A before using.
Ipplemental Information This is one part of a two-part system. Read and		
applemental Information This is one part of a two-part system. Read and Section 3 Compositi	d understand the hazard i	redients
Ipplemental Information This is one part of a two-part system. Read and	d understand the hazard	



Freeman 2075 Part B

Section 4 First-Aid Measures

Description of First Aid Measures

Eye Contact: Rinse thoroughly with water holding the eyelids open to be sure the material is washed out. Remove contact lenses if present and easy to do. Get medical attention if irritation develops and persists. **Skin Contact:** Wash affected area thoroughly with soap and water. Get medical attention if irritation develops and persists.

Inhalation: If breathing is difficult, remove person to fresh air. Get medical attention if you feel unwell. **Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

Most Important Symptoms/Effects

None known

Indication of Immediate Medical Attention/Special Treatment

Not expected to be needed.

Section 5 Fire-Fighting Measures

Extinguishing Media

Use carbon dioxide, dry chemical, and foam.

Special Hazards

Not classified as flammable or combustible.

Special Protective Equipment & Precautions for Fire-Fighters

Wear self-contained breathing apparatus (SCBA) and full-body protective suit.

Section 6 Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Use self-contained breathing apparatus (SCBA) and chemically protective clothing. Clear unnecessary, unprotected personnel from the area.

Methods and Materials for Containment and Cleanup

Contain spill and prevent/minimize release to the environment. Collect with inert absorbent and place material in a container for disposal.

Section 7 Handling and Storage

Safe Handling

Avoid getting material on skin. Do not breathe vapors. Do not eat, drink, or smoke when using this product.

Safe Storage

Keep container tightly closed in a dry, well-ventilated area.

Section 8 Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	Exposure Limits
Tributyl Phosphate	0.2 ppm TWA ACGIH TLV
	0.2 ppm TWA OSHA PEL



Section 8 Exposure Controls/Personal Protection

Ventilation

Use with properly positioned local exhaust ventilation to prevent exposure and maintain air levels below the occupational exposure limits.

Personal Protective Equipment

Respiratory Protection: If ventilation is not adequate, use an approved respirator with organic vapor cartridges or supplied air. Respirator selection and use should be based on contaminant type, form, and concentration. For higher exposures or in an emergency, use a supplied-air respirator. **Skin Protection:** Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety goggles.

Other Protective Measures

An eyewash facility and washing station should be available in the work area. Wash hands at the end of each work shift and before eating, smoking, or using the lavatory. Follow applicable regulations and good Industrial Hygiene practice.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Odor	No data available
Odor Threshold	No data available
рН	No data available
Melting/Freezing Point	No data available
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Solubility	No data available
Coefficient: n-Octanol/Water	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10 Stability and Reactivity

Reactivity

Not normally reactive. Chemical Stability Stable under recommended storage conditions. Possibility of Hazardous Reactions No data available. Conditions to Avoid No data available. Incompatible Materials Avoid strong acids, strong bases, and strong oxidizing agents. Hazardous Decomposition Products Carbon monoxide, carbon dioxide, aldehydes, ketones, burning produces noxious and toxic fumes.



Section 11 Toxicological Information

Acute Toxicity Values

Chemical Name	LC ₅₀ Inhalation	LD ₅₀ Oral	LD ₅₀ Dermal
	(Rat)	(Rat)	(Rabbit)
Tributyl phosphate	Not available	1,552 mg/kg	Not available

Acute Health Effects

Eye Contact: May cause mild eye irritation. **Skin Contact:** Causes skin irritation. **Inhalation:** May cause mild respiratory irritation.

Ingestion: May cause mild respirator

Ingestion: No data avalla

Chronic Health Effects

Germ Cell Mutagenicity: This product is not a mutagen. Carcinogenicity: This product contains Tributyl phosphate (CAS 126-73-8), suspected of causing cancer. Reproductive Toxicity: This product is not a reproductive toxin.

Specific Target Organ Toxicity: None known.

Section 12 Ecological Information

Ecotoxicity: No data available. Do not release into waterways. **Persistence and Degradability:** No data available. **Bioaccumulative Potential:** No data available. **Mobility in Soil:** Not expected to migrate.

Section 13 Disposal Considerations

Dispose according to local, regional and national regulations.

Section 14 Transport Information

Not regulated for transport in any mode.

Section 15 Regulatory Information

U.S. Federal Regulations

CERCLA 103 Reportable Quantity: Does not contain chemicals subject to reporting requirements. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA Title III Section 311/312: See Section 2

Section 313 Toxic Chemicals: This product does not contain chemicals subject to SARA Title III Section 313 Reporting requirements.

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA. **U.S. State Regulations**

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.



Section 16 Other Information

Training Advice

All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions

This product is intended for industrial/professional use only.

Disclaimer

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