

# SAFETY DATA SHEET

## SECTION 1: Identification

Product Name: FORM #269 525 CLEAR B COMP Product Code: 269 525 CLEAR B

Trade Name: 525 PART B

EMERGENCY PHONE: PERS 1-800-633-8253

### MANUFACTURER:

Madewell Products Corporation  
7561 Industrial Court  
Alpharetta GA 30004  
Phone: (770) 475-8199

## SECTION 2: Hazard(s) Identification

### Information on toxicological effects

**Acute Oral Toxicity:** LD50(rat):> 2000 mg/kg

**Acute Dermal Toxicity:** LD50(rabbit): >2000 mg/kg

**Acute Inhalation Toxicity:** LD50 (Rat): 1.8 mg/l, 2770 ppm Exposure time: 4h Test atmosphere: vapour. No observed adverse effect level (Humans): 100 ppm Exposure time 7 h Test atmosphere: vapour

**Skin Corrosion/Irritation:** Causes skin irritation

**Serious Eye Damage/Irritation:** Causes serious eye irritation

**Skin Sensitization):** Not classified based on available information.May cause an allergic skin reaction.

**Germ cell Mutagenicity:** Not classified as mutagenic.

**Carcinogenicity:** Not classified as carcinogenic. Not listed by OSHA/NTP/IARC.

**Reproductive Toxicity:** Not classified as reproductive toxin.

**Specific Target Organ Toxicity - single exposure:** Product not classified based on available data.

**Specific Target Organ Toxicity - repeated exposure:** Product not classified based on available data.

**Aspiration Hazard:** Possible aspiration hazard alkaline).

### Potential Health Effects:

**Skin Contact:** Corrosive; harmful in contact with skin; may cause itching, reddening, inflammation. May cause severe burns, blistering and skin damage; may cause an allergic reaction.

**Eye Contact:** Contact with vapors or liquid may cause tearing, blurred vision, severe irritation, possible chemical burns and corneal injury.

**Ingestion:** Harmful if swallowed; can cause severe and permanent damage to mouth, throat and stomach, may cause injury to the liver and kidneys.

**Inhalation:** harmful if inhaled; can cause moderate to severe irritation of the respiratory tract.

### Chronic Health Effects:

May cause sensitization by contact. Prolonged skin contact may cause irritation, rash, burns or dermatitis; repeated overexposure to vapors and/or liquid may injure the liver, kidneys and respiratory system. May aggravate individuals sensitized to amines.

### GHS Ratings:

Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer

### GHS Hazards

H314 Causes severe skin burns and eye damage

H317 May cause an allergic skin reaction  
 H318 Causes serious eye damage  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

**GHS Precautions**

P260 Do not breathe dust/fume/gas/mist/vapours/spray  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
 P264 Wash hands thoroughly after handling  
 P272 Contaminated work clothing should not be allowed out of the workplace  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P285 In case of inadequate ventilation wear respiratory protection  
 P310 Immediately call a POISON CENTER or doctor/physician  
 P321 Specific treatment (see instructions on this label)  
 P363 Wash contaminated clothing before reuse  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
 P302+P352 IF ON SKIN: Wash with soap and water  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention  
 P342+P311 Call a POISON CENTER or doctor/physician  
 P405 Store locked up  
 P501 Dispose of contents/container to ...

**Signal Word: Danger**



**SECTION 3: Composition/Information on Ingredients**

Chemical Name	CAS number	Weight Concentration %
HEXAMETHYLENE-1,6-DIISOCYANATE,HOMOPOLYMER	28182-81-2	100.00%

**SECTION 4: First Aid Measures**

**INHALATION:** Move person to fresh air and keep at rest in a position for breathing: if breathing is irregular, provide artificial respiration; if there are breathing difficulties, administer oxygen; get medical attention.  
**EYE CONTACT:** Bathe the eye with running water for at least 15 minutes, lifting upper and lower eyelids.  
**SKIN CONTACT:** Rinse immediately with plenty of water: remove contaminated clothing; wash thoroughly with soap and waer for at least 15 minutes. If irritation, rash or other adverse effects develop, get medical attention immediately.  
**INGESTION:** Do NOT induce vomiting unless advised by a physician. Rinse out mouth with water. Call nearest Poison Control Center or physician immediately.  
**Most important symptoms and effects, both acute and delayed.** Harmful in contact with skin, if swallowed or inhaled; can cause severe skin burns and eye damage; may cause an allergic skin reaction.

**Indication of any immediate medical attention and special treatment needed.**

Treat symptomatically.

Eye wash stations and emergency showers should be available.

**SECTION 5: Fire Fighting Measures**

Flash Point: N/A

LEL: N/A

UEL: N/A

**Extinguishing Media**

Carbon dioxide, alcohol resistant foam, dry chemical, water fog; use water spray to cool fire-exposed containers.

**Unsuitable Extinguishing Media**

High volume water jet

**Special hazards arising from the substance or mixture**

Product may ignite if heated in excess of its flash point. Vapors may travel to sources of ignition and flash back. Vapor concentrations in enclosed areas may ignite explosively. Empty containers may contain ignitable vapors. Exposure to decomposition products may be harmful to health; combustion products may include but are not limited to: carbon monoxide carbon dioxide, nitrogen oxides; the formation of hydrocarbon fragments is possible in the initial stages of fire; smoke may contain particles of the original material as well. Prevent fire-fighting waters from entering sewer or waterways.

Polymerization will take place under fire conditions. If polymerization occurs in a closed container, there is a possibility it will rupture violently. Cool storage container with water, if exposed to fire.

**Hazardous combustion products:** Hydrocarbons

carbon dioxide and carbon monoxide

toxic fumes

**Advice for fire fighters:** Use protective fire fighting clothing and positive pressure self contained breathing apparatus to protect against potential harmful and/or irritating fumes. Do not use high pressure water jet as this may spread the area of the fire.

**Fire Equipment:** Wear self-contained breathing apparatus

**SECTION 6: Accidental Release Measures****Personal precautions**

Isolate area: ensure adequate ventilation; remove all sources of ignition; use appropriate personal protection equipment. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental precautions**

Halt the flow of materials as soon as practical using appropriate barriers; turn containers leak-side up to stop the escape of liquid. Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches, waterways by using sand, earth or appropriate barriers.

**Methods and material for containment and clean up**

Soak up with sand, earth, diatomaceous earth or other suitable inert absorbent materials; collect into suitable waste disposal containers. Reuse uncontaminated material when possible. Wash spillage site with large amounts of water, Dispose of in accordance with applicable local and federal environmental control laws and regulations.

**SECTION 7: Handling and Storage****Precautions for safe handling**

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Avoid formation of aerosol. Ensure adequate ventilation. Prevent inhalation of vapor, ingestion, and contact with skin, eyes and clothing. Keep containers closed when not in use. Precautions apply to empty containers as well. Do not eat, drink, or smoke in the work area. Wash thoroughly after handling. Personal protective equipment must be worn during maintenance or repair of mixers, reactors or other equipment containing the material.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry area with adequate ventilation. Do not store with strong oxidizing agents. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### SECTION 8: Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
HEXAMETHYLENE-1,6-DIISOCYANATE,HOMOPOLYMER 28182-81-2	Not Established	Not Established	Not Established

#### Engineering controls:

Follow good industrial workplace practices; do not eat, drink or smoke while handling; wash hands before breaks and at end of workshift; follow recommendations in this SDS.

#### Environmental exposure controls

Observe all precautions to prevent contamination of soil and waterways.

#### Eye/face protection

Wear tight-fitting chemical safety goggles and/or face shield to prevent eye contact.

#### Skin protection

Wear impervious clothing as necessary to protect against product contact. Necessity for boots, apron, face shield, etc. will be dependent on any hazards presented in the work process.

#### Respiratory protection

Respiratory protection is required wherever exposure limits are exceeded; use a NIOSH approved organic vapor cartridge respirator following the guidelines of an established respiratory protection program in compliance with 29CFR1910.134

#### Hand protection

Use suitable impervious neoprene or nitrile rubber gloves. When prolonged or frequently repeated contact may occur, glove material should have a breakthrough time that exceeds 480 minutes; when only brief contact is expected, a glove with a lesser breakthrough rating may be suitable.

#### Other protective equipment

The type and degree of personal protective equipment appropriate will depend on the specific work operation. Eye wash stations and emergency shower should be available. Inspect and replace personal protective equipment at regular intervals; use professional care in their selection, use and care

### SECTION 9: Physical and Chemical Properties

**PHYSICAL STATE:** LIQUID

**pH:** No data available

**RELATIVE EVAPORATION RATE:** No data available

**MELTING POINT:** Not determined

**BOILING POINT:** Not determined

**FLASH POINT:** 10C 80F

**AUTO IGNITION TEMPERATURE:** Not determined

**DECOMPOSITION TEMPERATURE:** Not determined

**VAPOUR PRESSURE:** Not determined

**RELATIVE VAPOUR DENSITY:** 3.6

**DENSITY:** 8.29LBS/GAL

**SOLUBILITY:** Insoluble

**EXPLOSIVE PROPERTIES:** Not determined

**OXIDISING PROPERTIES:** Not determined

## SECTION 10: STABILITY AND REACTIVITY

STABLE

**Reactivity:** No dangerous reaction is known under normal use and storage conditions.

**Stability:** Stable under normal use and storage conditions.

**Possibility of hazardous reactions:** Hazardous polymerisation may occur. Vapours may form explosive mixture with air. This product does not present a dust explosion hazard as delivered. However, fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.

**Conditions to avoid:** Heat, flames, and sparks. Excessive heat. Direct sources of heat. Exposure to air and sunlight.

**Incompatible materials:** Acids, aluminum, aluminum chloride, amines, bases, copper, copper alloys, halogens, iron chloride, metal salts, oxidizing agents, peroxides.

**Hazardous decomposition products:** Thermal decomposition will generate carbon monoxide, carbon dioxide and nitrogen oxides.

Hazardous polymerization will not occur.

## SECTION 11: Toxicological Information

Mixture Toxicity

Component Toxicity

### Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

## SECTION 12 - ECOLOGICAL INFORMATION

### Toxicity

**Acute/prolonged toxicity to fish:**LC50(Lepomis macrochirus)(96-hr): 4.02 mg/l

**Acute/prolonged toxicity to aquatic invertebrates:** EC50 (Daphnia magna)(48-hr): 35 mg/l (ATE)

**Acute/prolonged toxicity to aquatic plants:** EC50(72-hr): >50 mg/l (ATE)

**Toxicity to bacteria, to soil dwelling organisms and to terrestrial plants:** No data available

**Chronic toxicity to aquatic organisms:** No data available

**General effect:** Harmful to aquatic life with long lasting effects.

**Persistence and degradability:** Not expected to be readily biodegradable

**Bioaccumulative potential:** One or more products components has a low potential to bioaccumulate

**Mobility in soil:** No data available; do not allow product to enter soil/subsoil

**Results of PBT and vPvB assessment (EC reg. 453/2010):** Product not classified as Persistent, Bioaccumulative and Toxic

Product not classified as very Persistent or very Bioaccumulative

**Other adverse effects:** No other adverse effects are identified

## Component Ecotoxicity

### SECTION 13 - DISPOSAL CONSIDERATIONS

**Disposal:** Do not dump to ground, sewers or watercourses. Incinerate or otherwise dispose of in compliance with all applicable federal, state and local environmental control laws and regulations. Waste characterization according to RCRA guidelines and compliance with applicable laws are the responsibility solely of the waste generator. Send waste to a licensed waste management company.

**Container Disposal:** Containers should be drained of all residual product prior to disposal. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Do not burn, or use a cutting torch on the empty drum.

### SECTION 14 - TRANSPORT INFORMATION

DOT, IMDG, AND IATA Proper Shipping Description: NOT REGULATED

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
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### SECTION 15 - REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA Title III Section 311/312 (40CFR370):** Reactivity hazard, acute health hazard, fire hazard, chronic health hazard.

**SARA Title III Section 313 (40CFR372):** Styrene 100-42-5 10-20%

**CERCLA Status (40CFR302):** Styrene 100-42-5 Component RQ 1000 lbs.

**OSHA/NTP/IARC Carcinogen Status:** WARNING This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Benzene 71-43-2

**TSCA Inventory Status:** Reported/included

**Chemicals known to the state of California to cause cancer or reproductive toxicity:** Benzene 71-43-2

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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EU Risk Phrases

Safety Phrase

### SECTION 16 - OTHER INFORMATION

**HMIS ratings:**

Health: 2\*

Flammability: 3

Physical hazard: 2

**Hazardous Material Information System (HMIS)**

<b>HEALTH</b>	<input type="text" value="0"/>	<b>HMIS &amp; NFPA Hazard Rating</b> <b>Legend</b> * = Chronic Health Hazard <b>0 = INSIGNIFICANT</b> <b>1 = SLIGHT</b> <b>2 = MODERATE</b> <b>3 = HIGH</b>
<b>FLAMMABILITY</b>	<input type="text" value="0"/>	
<b>PHYSICAL HAZARD</b>	<input type="text" value="0"/>	
<b>PERSONAL PROTECTION</b>	<input type="text"/>	

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Reviewer Revision

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