

**MATERIAL SAFETY DATA SHEET**



**JON-WOOD Hardener**

HMIS		NFPA	Personal protective equipment		
Health	3*	3	  		
Fire Hazard	2	2			
Reactivity	1	1			

Version Number: 1

Preparation date: 2005-03-11

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** JON-WOOD Hardener

**MSDS #:** F-00613001  
**Product code:** F-00613001  
**Recommended use:** Floor care.

**Manufacturer, importer, supplier:**  
 US Headquarters: JohnsonDiversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-0902  
 Phone: 1-888-352-2249  
 MSDS Internet Address: www.johnsondiversev.com

Canadian Headquarters: JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1  
 Phone: 1-800-668-3131

**Emergency telephone number:** 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**  
 DANGER. CORROSIVE TO EYES . MAY CAUSE ALLERGIC SKIN REACTION . MAY CAUSE ALLERGIC RESPIRATORY REACTION . HARMFUL OR FATAL IF INHALED .

**Principle routes of exposure:** Eyes. Skin. Inhalation.  
**Skin contact:** Moderately irritating to the skin. Skin contact may cause allergic reactions in some individuals .  
**Eye contact:** Corrosive. Causes permanent eye damage, including blindness.  
**Inhalation:** May be irritating to nose, throat, and respiratory tract. Exposure above the occupational health limits may cause shortness of breath and reduced lung function . Persons with pre-existing, nonspecific bronchial hyperreactivity can respond to concentrations below the occupational exposure limits with similar symptoms as well as asthma episodes .  
**Ingestion:** Corrosive. Causes burns to mouth, throat and stomach.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**HAZARDOUS COMPONENTS**

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hexamethylene-1,6-diisocyanate	822-06-0	0.1 - 1.5%	Not available	Not available	Not available

**4. FIRST AID MEASURES**

**Eye contact:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.  
**Skin contact:** Flush immediately with plenty of water. If irritation persists, get medical attention.  
**Inhalation:** If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Get medical attention immediately.  
**Aggravated Medical Conditions:** Allergy to isocyanates , Persons with pre-existing respiratory conditions should be particularly careful about possible respiratory effects .

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Not applicable

**Specific hazards:** Not applicable  
**Unusual hazards:** None known  
**Specific methods:** No special methods required

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Extinguishing media which must not be used for safety reasons:** No information available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment  
**Environmental precautions and clean-up methods:** No information available

## 7. HANDLING AND STORAGE

**Handling:**

FOR COMMERCIAL AND INDUSTRIAL USE ONLY. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

**Storage:**

Keep this product dry in original tightly closed container when not in use . Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:**

Use only in well-ventilated areas . Ventilate the area until completely dry and before allowing use of the room .

**Personal protective equipment**

**Eye protection:** Chemical splash goggles.

**Hand protection:** nitrile or neoprene gloves .

**Skin and body protection:** Protective footwear.

**Respiratory protection:** If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure . A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	No information available
<b>Color:</b>	Colourless	<b>Boiling point/range:</b>	Not determined
<b>Odour:</b>	Solvent	<b>Melting point/range:</b>	Not determined
<b>Specific Gravity:</b>	1.05	<b>pH:</b>	7
<b>Dilution pH:</b>	No information available	<b>Density:</b>	8.78
<b>Bulk density:</b>	No information available	<b>Decomposition temperature:</b>	Not determined
<b>Vapour density:</b>	No information available	<b>Autoignition temperature:</b>	No information available
<b>Evaporation rate:</b>	No information available	<b>Solubility:</b>	No information available
<b>Solubility in other solvents:</b>	No information available	<b>VOC:</b>	22.6
<b>Viscosity:</b>	No information available	<b>Flash point:</b>	148 (°F) 64.4 (°C)
<b>Partition coefficient (n-octanol/water):</b>	No information available		

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable  
**Polymerization:** Hazardous polymerisation does not occur  
**Hazardous decomposition products:** None reasonably foreseeable  
**Materials to avoid:** Strong oxidising agents.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** Oral, LD50 estimated to be greater than 5000 mg/kg, Dermal, LD50 estimated to be > 2000 mg/kg.  
**Component Information:** See Section 3

**Chronic toxicity:** Repeated eye, skin, or inhalation exposure may have cumulative effects  
Repeated overexposures or a single large exposure can cause isocyanate allergy in some individuals.

**Specific effects**

<b>Carcinogenic effects:</b>	None known
<b>Mutagenic effects:</b>	None known
<b>Reproductive toxicity:</b>	None known

Target Organ Effects: None known

## 12. ECOLOGICAL INFORMATION

Environmental Information: No data available.

## 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:  
Dispose of according to all federal, state and local applicable regulations

## 14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

## 15. REGULATORY INFORMATION

### International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

### U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

### STATE RIGHT TO KNOW

Ingredient	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Hexamethylene-1,6-diisocyanate	822-06-0	Listed	-	-	-	Listed	-
Aliphatic polyisocyanate NJ TSRN 80100051-5012	TS*	-	-	-	-	-	-
Dipropylene Glycol Dimethyl Ether	111109-77-4	-	-	-	-	-	-

### CERCLA / SARA

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Hexamethylene-1,6-diisocyanate	822-06-0	0.1 - 1.5%	100		Listed.

Ingredient	CAA HAP	CAA ODS	CWA Priority Pollutants
Hexamethylene-1,6-diisocyanate	Listed.		

### Canada

WHMIS hazard class: D2B Toxic materials , B3 Combustible liquid .



## 16. OTHER INFORMATION

Reason for revision: Not applicable  
Prepared By: NAPRAC  
Additional advice: None

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