

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.johnsondiversey.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 to reduce exposure:

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

Physical State:	Liquid	Appearance:	No information available
Color:	Colourless	Boiling point/range:	Not determined
Odor:	Solvent	Melting point/range:	Not determined
Specific gravity:	1.05	pH:	7
Dilution pH:	No information available	Density:	8.78
Bulk density:	No information available	Decomposition temperature:	Not determined
Vapor density:	No information available	Autoignition temperature:	No information available
Evaporation rate:	No information available	Solubility:	No information available
Solubility in other solvents:	No information available	VOC:	22.6
Viscosity:	No information available	Flash point:	148 (°F) 64.4 (°C)
Partition coefficient (n-octanol/water):	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	
Carcinogenic effects:	None known
Mutagenic effects:	None known
Reproductive toxicity:	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 TSN 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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