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**1. PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT IDENTIFICATION**

Brand Name..... MANUS-BOND 75-AM Ultra Clear; – High Performance  
Elastomeric Adhesive / Sealant

Product Use ..... Adhesive / Sealant

Product Identification Number ..... N/A

**MANUFACTURER**

Manus Products, Inc.  
866 Industrial Blvd West  
Waconia, MN 55387

**EMERGENCY TELEPHONE NUMBER**

CHEMTREC: 800-424-9300

Plant Telephone: 952 442-3323

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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CHEMICAL NAME	CAS NUMBER	WEIGHT %
Proprietary Polymer	--	<60

See Section 15 of this MSDS for OSHA Regulatory Status

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**3. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW**

Heavy paste with mild odor  
Can cause skin and eye irritation.

Combustible Material (will burn). In case of fire, use foam, dry chemical, CO<sub>2</sub>.

**POTENTIAL HEALTH EFFECTS**

**PRIMARY ROUTE(S) OF ENTRY**

Inhalation (breathing); eye and skin contact.

**CAUTION!** Can cause skin and eye irritation;.

**SYMPTOMS OF EXPOSURE**

Inhalation: Breathing large amounts of vapor may be harmful.

Eye Contact: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin Contact: Can cause skin irritation. Symptoms may include redness and burning of skin.

Ingestion: Swallowing large amounts may be harmful.

#### CHRONIC EFFECTS

Over exposure to a component of this material has been suggested as a cause of liver abnormalities in laboratory animals..

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Eye or skin disease.

#### REPORTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

Not Applicable

National Toxicology Program (NTP)

OSHA

International Agency for Research on Cancer (IARC)  
(See Section 11)

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#### 4. FIRST AID MEASURES

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Inhalation: Remove from area to fresh air. If not breathing, clear airway and start mouth-to-mouth artificial respiration or use a bag-mask respirator. Get immediate medical attention. If victim is having trouble breathing, transport to medical care and, if available, give supplemental oxygen.

Eye contact: Immediately rinse eyes with water. Remove any contact lenses. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Continue flushing eyes with running water for at least 15 minutes. Get medical attention if irritation develops.

Skin Contact: Wash affected areas with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Wash clothing and decontaminate shoes before reuse. Get medical attention if irritation develops and persists.

Ingestion: **DO NOT** induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

NOTE TO PHYSICIAN - None

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#### 5. FIRE FIGHTING MEASURES

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Flash Point and Method..... >200 °F.

#### GENERAL HAZARD

This product is combustible.

#### EXTINGUISHING MEDIA

For small fires, use foam, CO<sub>2</sub>, or dry chemical. For large fires, use water spray, fog, or foam.

#### SPECIAL FIREFIGHTING INSTRUCTIONS

Move containers from area if it can be done without risk.

#### FIREFIGHTING EQUIPMENT

As in any fire, wear NIOSH approved, positive-pressure self-contained breathing apparatus and full protective gear.

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## 6. ACCIDENTAL RELEASE MEASURES

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Wear appropriate protective equipment (See Section 8). Ventilate area. Observe all local, state and federal regulations.

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## 7. HANDLING AND STORAGE

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### HANDLING

Wear appropriate protective equipment (See Section 8). Avoid contact with eyes, skin and clothes. Avoid breathing vapors. Keep container closed when not in use. Use with sufficient ventilation to keep area below established exposure levels. Wash thoroughly after handling.

Product is combustible.

### STORAGE

Keep container tightly closed. Isolate from incompatible materials (see Sect. 10).

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS

Use local exhaust or general dilution ventilation system.

### PERSONAL PROTECTION

Respirator: Use NIOSH approved equipment only. For exposure above the exposure limit, use a respirator that has been selected by an industrial hygienist or other technically qualified person for the specific work conditions. If respirators are used, OSHA requires compliance with its respiratory program.

Eye Protection: Wear vented safety goggles or safety glasses.

Gloves: Nitrile gloves.

Clothing: Wear clothing that will protect the skin from exposure to this chemical. During emergency or while making repairs, wear clothing that will not allow this chemical to penetrate.

Other: Eye wash.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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State .....	Paste	pH.....	NA
Color .....	Yellow, clear when dry	Vapor Density .....	N/E
Odor .....	Mild	Reactivity in Water .....	Incompatible
Melting Point °F .....	N/E	Specific Gravity .....	~1.05
Boiling Point .....	N/E	Water Solubility .....	Slightly soluble
VOC Content .....	11 grams/liter (EPA Method #24)		

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## 10. STABILITY AND REACTIVITY

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### REACTIVITY

Stable.

### INCOMPATIBILITIES

Avoid contact with acids and oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS**

May form oxides of carbon and various unidentified organic compounds.

**CONDITIONS TO AVOID**

Avoid temperatures above 120 °F.

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**11. TOXICOLOGICAL INFORMATION**

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**For Product:** Not established.

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**12. ECOLOGICAL INFORMATION**

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**For Product:** ..... Not established.

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**13. DISPOSAL CONSIDERATIONS**

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RCRA Waste Code:.....Not Regulated. Observe all applicable federal, state, and local regulations.

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**14. TRANSPORT INFORMATION**

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DOT Proper Shipping Name .....Not regulated.

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**15. REGULATORY INFORMATION**

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OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

Hazardous                       Non-Hazardous

CERCLA/SUPERFUND (40 CFR 117, 302)

Chemical Name	RQ (lbs)/(kg)
N/A	N/A

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)

Chemical Name	TPQ (lbs)	RQ (lbs)
N/A	N/A	N/A

SARA HAZARD CATEGORIES (40 CFR 370)

Acute       Chronic       Fire       Pressure       Reactive       None

SARA TOXIC CHEMICALS (40 CFR 372)

Chemical Name	CAS Number	%
N/A	N/A	N/A

## WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR Section (33))

This product has been classified according to the hazard criteria of the Controlled Products Regulations, and the MSDS contains all required information.

Controlled Product; Classification: D2B       Not a Controlled Product

### INVENTORY STATUS

The ingredients of this chemical are listed on the US TSCA Chemical Substance Inventory and the Canadian Domestic Substances List.

### TOXIC SUBSTANCES CONTROL ACT

No specific regulations apply.

### STATE REGULATIONS

No specific regulations apply.

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## 16. OTHER INFORMATION

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### ABBREVIATIONS

C - Ceiling limit

LC<sub>Lo</sub> - The lowest concentration of a substance in air that will kill a test animal within a certain exposure period.

LC<sub>50</sub> - The concentration of a substance in air that will kill 50% of test animals within a certain exposure period.

LD<sub>50</sub> - The dose that causes death in 50% of test animals.

N/A - Not applicable

N/D - Not determined

N/E - Not established

N/K - Not known

NAERG - North American Emergency Response Guidebook

RQ - Reportable Quantity

TPQ - Threshold Planning Quantity

### PREPARATION INFORMATION

Prepared by: ..... Manus Chemical Safety and Health Department

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