

I. Product and Company Identification

Product Name: A-202
Supplier: NRI 3875 Fiscal Court, Ste #100 Riviera Beach, FL 33404 (561) 683-6992
Emergency Phone Number: 800-535-5053
Product Description: A-202 Hydrophilic Multigrout
Product Use: Intended for sealing active water leaks
Chemical Name or Synonym: N/A

II. Hazards Identification

Classification of the substance or mixture
 Skin corrosion/irritation – Category 2
 Eye damage/irritation – Category 2B
 Sensitization-Respiratory - Category 1



GHS07



GHS08

Hazard Statements:

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

Signal Word: DANGER

Precautionary Statement:

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
 P337+P313 If eye irritation persists: Get medical advice/attention.

National Fire Protection Association Hazard Ratings – NFPA(R):

Health Hazard: 3
 Flammability: 1
 Reactivity: 0

III. Composition/ Information on Ingredients

Component	CAS#	%Composition
4,4'-Diphenylmethane Diisocyanate (MDI)	101-68-8	Trade Secret
Higher Oligomers of MDI/TDI	9016-87-9	Trade Secret
2,4 Toluene Diisocyanate (TDI)	584-84-9	Trade Secret
2,6 Toluene Diisocyanate (TDI)	91-08-7	Trade Secret

IV. First Aid Measures

First Aid Measures for Accidental:

Eye Exposure: Flush with copious amount of water for at least 15 minutes. Get medical attention.

Skin Exposure: Wash thoroughly with soap and water, flushing for at least 15 minutes. Remove all contaminated clothing and wash or clean prior to reuse. If irritation develops, consult a physician.

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen and get medical attention. Asthma like symptoms may develop.

Ingestion: Do not induce vomiting. Give one to two cups of milk or water to drink. If vomiting is inevitable, prevent aspiration by keeping the person's head below the knees. Get immediate medical attention. Do not give anything by mouth to an unconscious person, consult a physician.

Most important symptoms/effects, acute and delayed:

Acute Inhalation: Exposure can cause upper respiratory tract irritation and pulmonary edema can occur after a serious vapor exposure; pulmonary sensitization can occur in some individuals leading to asthma like spasms of the bronchial tubes and difficulty in breathing.

Acute Eye: Vapors are irritating to the eyes; with redness and blurred vision. Prolonged vapor contact may cause conjunctivitis.

Acute Skin contact: Exposure can cause redness swelling, scaling or blistering of the skin. Prolonged or repeated contact may cause moderate dermatitis.

Acute ingestion: May have corrosive effects on the lining of the mouth and stomach. May produce abdominal pain, nausea, diarrhea, and vomiting.

Over-exposure signs/symptoms: Not determined

Notes to Physician: None

V. Fire Fighting Measures

Extinguishing Media: For small fires, use CO₂ or dry chemical. For large fires, use fog or regular foam.

Special Fire Fighting Procedures: Apply cooling water to sides of container until well after fire is out. Do not release fire water runoff to sewers or waterways. Vapors are heavier than air and may collect in low-lying areas. Container may explode in heat of fire. **Special Protective Equipment for Fire-fighters:** Since fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a full-face piece operated in pressure-demand or positive-pressure mode.

Unusual Fire and Explosion Hazards: Exposure to flames or arc welding can produce highly toxic gases due to the thermal decomposition or combustion of the product.

Hazardous Decomposition Materials (Under Fire Conditions): Thermal decomposition can produce carbon monoxide (CO), oxides of nitrogen, traces of cyanic acid, MDI and TDI vapors. May form peroxides of unknown stability at temperatures higher than 350°F (177°C)

VI. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: No action shall be taken involving any personal risk or without suitable training. Keep people at a distance and stay upwind. Eliminate all ignition sources and evacuate surrounding areas. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Cleanup and Disposal of Spill: Soak up with sand or other inert absorbent material and collect in a properly labeled waste container for disposal. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Do not allow material to contaminate surface or groundwater. Dike area to prevent run off. Prevent product from entering drains.

VII. Handling and Storage

Precautions for safe handling: Use only in well ventilated areas, unless used with recommended respiratory protection. Empty containers of this material may be hazardous when empty since they retain product residues; observe all warnings and precautions listed for the product.

Conditions for safe storage including any incompatibilities: Store in a dry area between 60° - 90° F (16°-38°C). Keep containers tightly closed. Do not let moisture into containers. Store away from incompatible materials. Avoid physical damage to containers.

VIII. Exposure Controls / Personal Protection

Component	Exposure limits		
	ACGIH	NIOSH	OSHA-PELs
4,4'-Diphenylmethane Diisocyanate (MDI)	0.005 ppm (TWA)	ND	0.02 ppm Ceiling (STEL) 0.2 mg/m ³ Ceiling(STEL)
Higher Oligomers of MDI/TDI	Not Established	Not Established	Not Established
2,4 Toluene Diisocyanate (TDI)	0.005 ppm (TWA)		0.005 ppm
2,6 Toluene Diisocyanate (TDI)	0.005 ppm (TWA)		0.005 ppm

Appropriate Engineering Controls: General and/or local exhaust to control vapor or mist below maximum exposure limits.

Personal Protective Equipment:

Respiratory Protection: If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

Eye / Face Protection: Wear chemical goggles and face shield to avoid splashing on face.

Skin Protection: Wear chemically protective gloves, boots and aprons to prevent repeated or prolonged skin contact. Viton, neoprene and butyl rubber are recommended materials for protected gear.

Other Protective Equipment: Provide eyewash fountain and quick drench facilities in close proximity to points of potential exposure.

IX. Physical and Chemical Properties

Physical Appearance: Fiberglass cloth coated with viscous brown resin.
Odor: Faint musty odor
Odor Threshold: ND
pH: ND
Melting Point Range: NA
Boiling point: ND
Flash Point: 200°F (93°C)
Evaporation rate: ND
Method Used: ND
Flammability Limits (vol/vol%): Lower: N/A Upper: N/A
Vapor Pressure: ND
Vapor Density: ND
Relative Density: ND
Specific Gravity: 1.147 (resin)
Water Solubility: Soluble. Reacts with water to liberate CO₂ gases.
Partition coefficient (n-octanol/water): ND.
Auto-ignition Temperature: ND
Decomposition Temperature: > 350 °F
Viscosity: 3200 - 6000 cP @ 72°F (resin)

X. Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of Hazardous reactions: Hazardous polymerization can occur. Contact with moisture, other materials, which react with isocyanates, or temperatures above 350°F (177°C), may cause polymerization.

Conditions to Avoid: Contamination with water.

Incompatible Materials / Chemicals: Water, amines, strong bases, alcohols and metal compounds.

Hazardous Decomposition Products: Thermal decomposition can produce carbon monoxide (CO), oxides of nitrogen, traces of cyanic acid, MDI and TDI vapors. May form peroxides of unknown stability. @ >350°F (177°C)

XI. Toxicological Information

Primary irritant effect:

On the skin: Irritant to skin.

On the eye: Irritating effect.

Sensitization: Sensitization possible through inhalation.

Symptoms:

Inhalation: Upper respiratory tract irritation. Pulmonary sensitization can occur in some individuals leading to asthma and difficulty in breathing.

Eye Contact: Vapors are irritating to the eyes; with redness and blurred vision. Prolonged vapor contact may cause conjunctivitis.

Skin Contact: Exposure can cause redness swelling, scaling or blistering of the skin. Prolonged or repeated contact may cause moderate dermatitis.

Ingestion: May produce abdominal pain, nausea, diarrhea, and vomiting.

Numerical measures of toxicity: No specific data

Mutagenicity (Effects on genetic material): No specific data

Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure: No specific data.

Long term exposure: No specific data

Carcinogenic Categories:

IARC (International Agency for Research on Cancer): None of the ingredients listed.

NTP (National Toxicology Program): None of the ingredients listed.

XII. Ecological Information

Ecotoxicity: No further relevant information available.

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Other adverse effects: No further relevant information available.

XIII. Disposal Considerations

Waste treatment methods: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings: Dispose of in accordance to all local, state, and/or national registration.

XIV. Transport Information

DOT (Department of Transportation):

UN Number: N/A

Safety Data Sheet
A-202

UN Proper Shipping Name: Organic, n.o.s., (contains: toluene diisocyanate)

Transport Hazard Class: N/A

Packing Group: N/A

Environmental Hazard: N/A

NMFC (National Motor Freight Carriers)

Freight Class: 55

XV. Regulatory Information

SARA TITLE III:

Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Reactive Hazard

Reportable quantity: None

TSCA Regulatory: All components of this product are either on the TSCA Inventory or exempt.

OSHA: This material is a health hazard and/or physical hazard as determined when reviewed according to the requirements of the OSHA 29 CFR Part 1910.1200 Hazard Communication Standard.

XVI. Other Information

Key Legend Information:

N/A - Not Applicable

ND - Not Determined

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

TWA - Time Weighted Average

NIOSH - National Institute for Occupational Safety and Health

The information contained herein is based on the data available to us and is believed to be accurate. The data is offered in good faith as typical values and not as product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. NRI makes no warranty either expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The recommended industrial hygiene and safe handling procedures are believed to be genuinely applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. NRI assumes no responsibility for injury from the use of the product described herein. The information is intended only to assist in the safe handling of this material.

(R4) Revision date: 0