



Fully-Reacted Polyurethane

1. Material / preparation and company designation

Company: POLYURETHANE DIVISION
TEXTILE RUBBER & CHEMICAL CO.
1300 Tiarco Drive
Dalton, GA 30720

Emergency phone (CHEMTREC): (800) 424-9300 **(CHEMTREC INTERNATIONAL):** (703) 527-3887
Industrial Health/Spill Emergency: (706) 277-1300 Danny Welch (dwelch@trcc.com)

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Usage: Commercial

2. Possible hazards

At room temperature, exposures to vapor are minimal due to low volatility. Essentially non-irritating to eyes and skin. Prolonged contact is not likely to result in the material being absorbed through skin. This product is not for human consumption; use proper precautions.

3. List / data of components

Information on hazardous ingredients: No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and/or 40 CFR 372 are present.

Chemical name: Fully-reacted Polyurethane	%w/w
Product code: N/A	Hazard symbol: N/A
CAS-no. N/A	H-phrases: N/A
EC-no.: N/A	P-phrases: N/A
Formula: NOT A CHEMICAL	

Note: This product is considered "articles" according to OSHA Hazard Communication Standard 29 CFR 1910.1200 and, as such, are exempt from the material safety data sheet provisions of 29 CFR 1910.1200 (G) (6). As a courtesy to the customer, Polyurethane Division has prepared this product safety data sheet to provide appropriate safety and handling information. This product is considered nonhazardous when used according to accepted practices for the intended use.

See section 16 for the full text of the Hazard symbols and Phrases.

4. First aid measures

Inhalation: If exposed to fumes from overheating or combustion, immediately remove to fresh air immediately and consult medical attention from a licensed healthcare professional.

Skin contact: The product is not likely to be hazardous by skin contact.

Eye contact: Essentially non-irritating to eyes.

Ingestion: Seek medical attention from a licensed healthcare professional if necessary. Never give anything by mouth if victim is unconscious or having convulsions. Do not induce vomiting unless directed to do so by medical personnel.

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5. Measures in case of fire

Suitable extinguishing media: Foam, CO₂, Dry Chemical, Water Fog.

Hazardous decomposition/combustion products: When heated to decomposition, this product should produce normal hydrocarbon combustion products. May decompose in heat/fire releasing products of greater hazard. Products of thermal decomposition may be harmful. Hazardous decomposition products depend upon temperature, air supply and the presence of other materials.

Special protective equipment for fire fighters: Firefighters should wear NIOSH-approved self-contained breathing apparatus with full face piece, operated in positive pressure mode. Wear full firefighting protective clothing.

Other information: Eliminate ignition sources. Burning material may emit toxic fumes and dense smoke. Do not breathe smoke.

6. Accidental release procedures

personal precautions: N/A

environmental precautions: N/A

methods for cleaning up / taking up: Must be disposed of in accordance with all local, state, federal and international regulations.

7. Handling and storage

Adhere to work practice rules established by government regulations (e.g. OSHA).

Advice on protection against fire and explosion: Burning material may emit toxic fumes and dense smoke. Do not breathe smoke.

Storage requirements: Do not eat, drink or smoke in working area. Any use of this product in a process should be evaluated to establish and maintain safe operating procedures.

8. Engineering controls

Exposure limits: Consult local authorities for acceptable exposure limits.

Personal protection: None necessary under normal conditions (adequate ventilation). If necessary, use NIOSH-approved respiratory protection. Recommended Local exhaust. Ventilation should be in accordance with OSHA regulations. Properly maintain and have readily available an eyewash/safety shower facility in the work area.

Hand protection: Use gloves impervious to this material. The breakthrough time of the selected glove(s) must be greater than the intended use period. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provide by the glove supplier. Before eating, drinking, smoking or using the toilet, wash face and hands thoroughly with soap and water.

Eye protection: Recommend the use of safety eyewear including splash guards or side shields.

Skin and body: Gloves, apron or protective coveralls may be needed.

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9. Physical and chemical data

Test method:

Form: Item/Article (not a chemical)
Colour: Various
Odour: Typical
Boiling point/range: Decomposes at elevated temperatures.
Melting point/range: No information available.
Flash point: No information available.
Flammability: No information available.
Autoignition temperatures: No information available.
Explosion limits: No information available.
Vapour pressure: No information available.
Density: Varies
Solubility in water: None
Solubility in other solvents: No information available.
pH: No information available.
Partition coefficient (Coefficient of Therm. Expansion) : No information available.
n-octanol/water: No information available.

10. Stability and reactivity data

Conditions to avoid: Stable. Avoid sparks, open flames or sources of ignition. Exposure to elevated temperatures (such as in a fire) can cause product to decompose and/or oxidize.

Materials to avoid: None known.

Hazardous decomposition products: When heated to decomposition, this product should produce normal hydrocarbon combustion products. May decompose in heat/fire releasing products of greater hazard. Products of thermal decomposition may be harmful. Hazardous decomposition products depend upon temperature, air supply and the presence of other materials.

11. Toxicological properties

Acute toxicity data:

Oral LD50: No information available.
Dermal LD50: No information available.
Inhalation LC50: At room temperature, exposures to vapor are minimal due to low volatility.

Irritation

Skin: Essentially non-irritating to skin. Prolonged contact is not likely to result in the material being absorbed through skin.

Eye: Essentially non-irritating to eyes.

Sensitization: No information available.

Genotoxicity: No information available.

Other toxicological information: No information available.

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12. Ecological properties

Ecotoxic effects:

Fish: No information available.

Daphnia: No information available.

Algae: 96h-EC50 (Cell count): No information available.

13. Disposal conditions

product: Must be disposed of in accordance with all local, state, federal and international regulations.

Contaminated packaging: No information available.

Waste code number: Please refer to your specific industry in the EUROPEAN WASTE CATALOGUE.

14. Transport information

Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

Land transport ADR/RID and GGVS/GGVE

ADR class:

ADR/RID packing group:

RID class:

Substance identification no.:

Hazard identification:

UN no.: Not regulated

Proper shipping name:

Marine transport IMDG / GGV See

IMDG-code class:

Packing group:

UN-no.: Not regulated

EMS:

subsidiary risk:

Marine pollutant:

Proper shipping name:

Air transport ICAO-TI und IATA-DGR

class:

UN-no.: Not regulated

Packing group:

Proper shipping name:

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15. Regulations

This section is not meant to be all-inclusive; selected regulations are represented.

SARA 313 SECTION OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

To the best of our knowledge, this product does not contain substance(s) above the de minimus level which require reporting under this statute.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT OF 1980 (CERCLA, OR SUPERFUND):

To the best of our knowledge, this product does not contain any substance(s) listed as "Hazardous Substances" which are subject to CERCLA Section 103 reporting requirements and which are listed in 40 CFR 302.4.

Labelling in accordance with EC directives / German regulations

Labelling

EC-no.: N/A

Symbols: N/A

R-phrases: N/A

S(afety) phrases: N/A

Water hazardous class (Germany) (WGK): N/A

See section 16 for the full text of the Hazard symbols and Phrases.

16. Other information:

Hazardous Material Identification System (HMIS) rating/codes:

Health – 1 Flammability – 1 Reactivity – 1 Protective Equipment - X (ask supervisor)

HMIS uses a numbering scale ranging from 0 – 4 to indicate the degree of hazard.

Values: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme

An asterisk (*) indicates chronic health hazards are associated with the chemical.

The proper protective equipment is identified with a letter corresponding to equipment listed after in parentheses.

Legend: N/A

Do not handle until the Manufacture's Safety Precautions have been read and understood. The safety data sheet is only intended to give a description of products with regard to safety requirements. The information contained herein is based on data considered accurate. However, it is not to be taken as a warranty or representation for which Textile Rubber & Chemical Co. or Polyurethane Division assumes legal responsibility. Any use of this information and data must be determined by the user to be in accordance with applicable international, federal, state and local laws and regulations.