

ELASTOMERIC TIES  
**MATERIAL SAFETY DATA SHEET**

GLENROE TECHNOLOGIES  
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1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME: ELASTOMERIC TIES - .120  
PRODUCT CODE: TT -2, TTM-2, JT-2  
CHEMICAL FAMILY: THERMOPLASTIC - POLYURETHANE  
CHEMICAL NAME: POLYURETHANE POLYESTER ELASTOMER  
FORMULA: N/A - POLYMERIC MATERIAL

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME: /CAS NUMBER	EXPOSURE LIMITS	CONCENTRATION
26375-23-5		99%

3. HAZARDS IDENTIFICATION:

HAZARDOUS INGREDIENTS: THIS PRODUCT HAS NON-HAZARDOUS INGREDIENT AS DEFINED UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910 1200

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE: NONE  
EXPOSURE LIMITS: NONE  
POTENTIAL HEALTH EFFECTS: NONE  
ROUTE(S) OF ENTRY: EYES, INHALATION  
HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE: NONE  
ACUTE INHALATION: NO SIGNIFICANT HEALTH HAZARD  
CHRONIC INHALATION: NONE  
ACUTE EYE CONTACT: MECHANICAL IRRITATION  
CHRONIC EYE CONTACT: NONE

REV: 01 BY: AS  
DATE: 01/07/03

CARCINOGENICITY: NONE

#### 4. FIRST AID MEASURES:

FIRST AID FOR EYES: N/A  
FIRST AID FOR SKIN: N/A  
FIRST AID FOR INHALATION: N/A  
FIRST AID FOR INGESTION: N/A

#### 5. FIRE FIGHTING MEASURES:

FLASH POINT: N/A  
FLAMMABLE LIMITS:  
UPPER EXPLOSIVE LIMIT (UEL) (%): N/A  
LOWER EXPLOSIVE LIMIT (LEL) (%): N/A  
EXTINGUISHING MEDIA: N/A  
SPECIAL FIRE FIGHTING PROCEDURES: NONE

#### 6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES: REMOVE BY MECHANICAL MEANS

#### 7. HANDLING AND STORAGE:

STORAGE TEMPERATURE (MIN/MAX): AMBIENT  
SHELF LIFE: 2 YEARS  
SPECIAL SENSITIVITE:  
HANDLING/STORAGE PRECAUTIONS: STORE IN SEALED CONTAINERS. PROTECT FROM  
ATMOSPHERIC MOISTURE.  
OTHER NOTES:

#### 8. PERSONAL PROTECTION:

EYE PROTECTION REQUIREMENTS: NONE  
SKIN PROTECTION REQUIREMENTS: NONE REQUIRED  
VENTILATION REQUIREMENTS: NONE  
RESPIRATOR REQUIREMENTS: NONE  
ADDITIONAL PROTECTIVE MEASURES: NONE

#### 9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM: SOLID  
COLOR: VARIOUS F.D.A. ALLOWABLE COLORS  
ODOR: ODORLESS  
Ph:  
BOILING POINT: N/A

MELTING-FREEZING POINT: 390-440F  
SOLUBILITY IN WATER: INSOLUBLE  
SPECIFIC GRAVITY: APROXIMATELY 1.2  
BULK DENSITY: APPROX. 10.01 LBS/GAL  
% VOLATILE BY VOLUME: N/A  
VAPOR PRESSURE: N/A

## 10. STABILITY AND REACTIVITY:

STABILITY: STABLE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
INCOMPATIBILITIES: NONE KNOWN  
INSTABILITY CONDITIONS: NONE KNOWN  
DECOMPOSITION PRODUCTS: BY FIRE; CARBON MONOXIDE (CO), CARBON DIOXIDE (CO<sub>2</sub>),  
OXIDE OF NITROGEN (NO<sub>x</sub>), TRACES OF HYDROGEN CYANIDE (HCN), AMINES, NITRILES,  
TETRAHYDROFURAN, AND CYCLOPENTANONE. TRACES OF MDI, ALIPHATIC AND  
AROMATIC HYDROCARBONS, ALDEHYDES AND ACIDS MAY ALSO BE FORMED.

## 11. TOXICOLOGICAL INFORMATION:

### EMERGENCY OVERVIEW

**CAUTION:** CONTACT WITH HOT MATERIAL WILL CAUSE THERMAL BURNS; TOXIC  
GASES/FUMES ARE GIVEN OFF DURING BURNING OR DECOMPOSITION AND MAY CAUSE  
ALLERGIC SKIN AND RESPIRATORY REACTION; MELTED PRODUCT IS FLAMMABLE AND  
PRODUCE INTENSE HEAT AND DENSE SMOKE DURING BURNING.

## 12. ECOLOGICAL INFORMATION:

NONE

## 13. DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHOD: IN ACCORDANCE TO FEDERAL, STATE OR LOCAL  
REGULATIONS

## 14. TRANSPORTATION INFORMATION:

TECHNICAL SHIPPING NAME: NOT REGULATED  
FREIGHT CLASS BULK: N/A  
FREIGHT CLASS PACKAGE: N/A  
PRODUCT LABEL: N/A  
HAZARD CLASS OR DIVISION: NON-HAZARDOUS  
HAZARD CLASS DIVISION NUMBER: NOT HAZARDOUS BY D.O.T. REGULATIONS.

## 15. REGULATORY INFORMATION:

SARA TITLE III:

SECTION 302 EXTREMELY  
HAZARDOUS SUBSTANCES: NONE  
SECTION 311/312  
HAZARD CATEGORIES: NONE  
SECTION 313  
TOXIC CHEMICALS: NONE  
RERA STATUS: NON-HAZARDOUS

16. OTHER INFORMATION:

HMIS RATINGS: HEALTH FLAMMABILITY REACTIVITY  
                  0                  1                  0  
0=MIMIMAL 1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE

Glenroe's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS ratings are provided by Glenroe as a customer service.