# CHAIN MATERIAL SAFETY DATA SHEET

# GLENROE TECHNOLOGIES 1912 - 44<sup>TH</sup> AVE. E. BRADENTON, FLORIDA 34203

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#### 1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME: CHAIN PRODUCT CODE: GC, UT

CHEMICAL FAMILY: THERMOPLASTIC - POLYURETHANE CHEMICAL NAME: POLYURETHANE POLYESTER ELASTOMER

FORMULA: N/A - POLYMERIC MATERIAL

# 2. COMPOSTITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME: POLYURETHANE from 4,4' methylenediphenyl /CAS NUMBER EXPOSURE LIMITS CONCENTRATION

26375-23-5

99%

HAZARDOUS INGREDIENTS: NON-HAZARDOUS

# 3. HAZARDS IDENTIFICATION:

#### **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 PRODUCES INTENSE HEAT AND DENSE SMOKE DURING BURNING.

#### 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 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:

REV: 01 BY: AS DATE: 01/07/03 BOILING POINT: N/A

MELTING-FREEZING POINT: 390-440F SOLUBILITY IN WATER: INSOLUBLE

SPECIFIC GRAVITY: 1.2G/CM3 (IN WATER=1) BULK DENSITY: APPROX. 10.01 LBS/CM3

% VOLATILE BY VOLUME: N/A

VAPOR PRESSURE: N/A

#### 10. STABILITY AND REACTIBITY:

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITIES: NONE KNOWN INSTABILITY CONDITIONS: NONE KNOWN

DECOMPOSITION PRODUCTS: BY FIRE; CARBON MONIXIDE, CARBON DIOXIDE, TRACES OF

HCN AND MDI

# 11. TOXICOLOGICAL INFORMATION:

N/A

#### 12. ECOLOGICAL INFORMATION:

NONE

# 13. DISPOSAL CONSIDERATIONS:

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

# 14. TRANSPORTATION INFORMATION:

TECHNICAL SHIPPING NAME: POLYURETHANE POLYELASTOMER

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

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

SECTION 313

TOXIC CHEMICALS: NONE

RERA STATUS: NON-HAZARDOUS

# 16. OTHER INFORMATION:

0

HMIS RATINGS: HEALTH FLAMMABILITY REACTIVITY

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.