

ENGINEERED FABRICS CORPORATION (FORMERLY LORAL) -- 82C31 -- 8040-01-243-6624  
===== Product Identification =====

Product ID:82C31  
MSDS Date:09/01/1993  
FSC:8040  
NIIN:01-243-6624  
MSDS Number: BZCBH  
=== Responsible Party ===  
Company Name:ENGINEERED FABRICS CORPORATION (FORMERLY LORAL)  
Address:669 GOODYEAR ST  
Box:548  
City:ROCKMART  
State:GA  
ZIP:30153-5000  
Country:US  
Info Phone Num:216-796-7302/216-379-8562  
Emergency Phone Num:404-684-7855/216-379-8562  
Preparer's Name:WILLIAM R RITTER  
CAGE:0KDP8  
=== Contractor Identification ===  
Company Name:ENGINEERED FABRICS CORP  
Address:669 GOODYEAR ST  
Box:548  
City:ROCKMART  
State:GA  
ZIP:30153  
Country:US  
Phone:404-684-7855  
CAGE:0KDP8  
Company Name:ENGINEERED FABRICS CORPORATION  
Address:669 GOODYEAR STREET  
Box:548  
City:ROCKMART  
State:GA  
ZIP:30153  
Country:US  
Phone:706-684-7855  
CAGE:56221

===== Composition/Information on Ingredients =====

Ing

red Name:POLYESTER URETHANE PREPOLYMER

Fraction by Wt: 60-65%

Ingred Name:TOLUENE (IARC CARC- GROUP 3) \*96-1\*

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 35-40%

Other REC Limits:375 MG/CUM

OSHA PEL:100 PPM

ACGIH TLV:100 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:DIISOCYANATE M  
ONOMER BY THERMAL

DEGRADATION-INHALATION: MAY CAUSE SENSITIZATION/TRIGGER ASTHMA-LIKE SYMPTOMS; BRONCHITIS, PULMONARY EDEMA/DEATH. TOLUENE: CAN CAUSE NASAL & RESPIRATORY IRRITATION, ASPHYXIATION. SKIN: SENSITIZATION, PROLONGED/REPEATED CONTACT MAY CAUSE MODERATE IRRITATION & DERMATITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:DIISOCYANATE MONOMER BY THERMAL DEGRADATION: CHEST TIGHTNESS, NOCTURNAL DYSPNEA. TOLUENE: IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS, ASPHYXIATION, DEFATTING.

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===== First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NECESSARY. KEEP WARM & QUIET. EYES: IRRIGATE W/WATER IMMEDIATELY. SKIN: IMMEDIATELY REMOVE EXCESS MATERIAL & FOLLOW W/SCRUBBING W/SOAP & WATER. FLUSH W/COPIOUS AMOUNTS OF WATER. DON'T USE SOLVENTS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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===== Fire Fighting Mea

suers =====

Flash Point Method:CC

Flash Point:40F

Lower Limits:1.2

Upper Limits:7.1

Extinguishing Media:ALCOHOL FOAM, CO2, DRY CHEMICAL

Fire Fighting Procedures:USE A SELF CONTAINED BREATHING APPARATUS W/A FULL FACEPIECE UNDER POSITIVE PRESSURE.

Unusual Fire/Explosion Hazard:INCOMPLETE COMBUSTION MAY PRODUCE HIGH SMOKE LEVELS. IRRITATING FUMES MAY BE RELEASED AT TEMPS STARTING AT 160F.

===== Accidental Release Measures =====

Spill Relea

se Procedures:REMOVE IGNITION SOURCES. VENTILATE AREA. WEAR PROTECTIVE EQUIPMENT. DIKE/CONTAIN W/ABSORBENT. DON'T ALLOW LEAK TO DISCHARGE INTO STORM/SANITARY SEWER. PUMP/BAIL MATERIAL INTO ORIGINAL CONTAINER. DISCARD ALL MATERIALS USED IN THE CLEAN UP PROCESS.

===== Handling and Storage =====

Handling and Storage Precautions:STORE AWAY FROM SOURCES OF HEAT & OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. THE STORAGE AREA SHOULD B

E WELL VENTILATED.

Other Precautions:PREVENT SKIN CONTACT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF WORKPLACE CONCENTRATIONS EXCEED THE RECOMMENDED TLVS, USE A NIOSH/MSHA-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IAW/29 CFR 1910.134, USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR/AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Ventilation:ADEQUATE EXPLOSION-PROOF VENTILATION TO MAINTAIN VAPORS