

ENGINEERED FABRICS CORP -- 5950C -- 8040-00-518-3455

===== Product Identification =====

Product ID:5950C
MSDS Date:12/01/1992
FSC:8040
NIIN:00-518-3455
MSDS Number: BVTLW
=== Responsible Party ===
Company Name:ENGINEERED FABRICS CORP
Address:669 GOODYEAR ST
City:ROCKMART
State:GA
ZIP:30153
Country:US
Info Phone Num:404-684-7855 OR 202-483-7616
Emergency Phone Num:800-424-9300 OR 216-379-8562
Prep
arer's Name:WILLIAM R RITTER
CAGE:0KEA0
=== Contractor Identification ===
Company Name:ENGINEERED FABRICS CORP
Address:669 GOODYEAR STREET
Box:City:ROCKMART
State:GA
ZIP:30153
Country:US
Phone:404-684-7855/FAX -7438
CAGE:0KEA0

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

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

Ingred Name:METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)

CAS:5124-30-1

RTECS #:NQ9250000

Fraction by Wt: 10-15%

Other REC Limits:0.005 PPM

ACGIH TLV:0.054 MG/CUM

Ingred Name:AROMATIC POLYCARBODIIMIDE

CAS:81972-48-7

Fraction by Wt: 1-5%

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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:SKIN: IRRITATION, SENSITIZATION. EYES:
IRRIT

ATION, CONJUNCTIVITIS. INHALATION: IRRITATION TO NOSE, THROAT &
LUNGS. HIGH EXPOSURE MAY LEAD TO BRONCHIAL SPASM & PULMONARY EDEMA.
CHEMICAL/HYPERSENSITIVE P NEUMONITIS. OVEREXPOSURE MAY DEVELOP
ISOCYANATE SENSITIZATION, LUNG DAMAGE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, REDDENING, SWELLING, SCALING,
BLISTERING, TEARING, RUNNY NOSE, SORE THROAT, COUGHING, CHEST
DISCOMFORT, SHORTNESS OF BREATH. CHRONIC: CHEST TIGHTNESS,
WHEEZING, COUGH, SHO

RTNESS OF BREATH/ ASTHMATIC ATTACK

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE, SKIN &
RESPIRATORY DISORDERS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED.

EYES: FLUSH W/PLENTY OF WATER FOR 15 MINS. SKIN: WASH W/SOAP &

WATER. INGESTION: DON'T INDUCE VOMITING. GIVE 1-2 CUPS OF
MILK/WATER TO DRINK . IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO
PREVENT ASPIRATION OF LIQUID INTO

THE LUNGS. DON'T GIVE ANYTHING BY

MOUTH IF UNCONSCIOUS/CONVULSIVE. OBTAIN MEDICAL ATTENTION IN ALL
CASES.

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===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:40F

Lower Limits:1

Upper Limits:7

Extinguishing Media:FOAM, DRY CHEMICAL, CO2

Fire Fighting Procedures:FLAMMABLE. CLEAR FIRE AREA OF PERSONNEL. USE
FULL EMERGENCY EQUIPMENT W/SCBA & FULL PROTECTIVE CLOTHING. COOL
FIRE EXPOSED CONTAINERS W/WATER.

Unusual Fire/Explosion Ha

azard:CLOSED CONTAINERS MAY EXPLODE WHEN
EXPOSED TO DIRECT FLAME/EXTREME HEAT.

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

Spill Release Procedures:EVACUATE AREA, REMOVE IGNITION SOURCES. DIKE
AREA & COVER W/SAWDUST, VERMICULITE, FULLERS EARTH/OTHER ABSORBENT
MATERIAL. COLLECT IN COMPATIBLE CONTAINER FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:STORE IN WELL VENTILATE DRY AREA AWAY
FROM HEAT SOURCES.

Other Precautions:CONTACT LENSES SHOULDN'T BE WORN.

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

Respiratory Protection:USE POSITIVE PRESSURE SUPPLIED AIR RESPIRATORS
WHEN AIRBORNE ISOCYANATE CONCENTRATIONS ARE NOT KNOWN/EXCEED 0.005
PPM; IN CONFINED SPACE, LIMITED VENTILATION/WHEN THE MATERIAL IS
HEATED.

Ventilation:EXHAUST SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW
THE TLV'S FOR THE INGREDIENTS.

Protective Gloves:CHEMICAL R
ESISTANT

Eye Protection:SAFETY GLASSES, SPLASH GOGGLES

Other Protective Equipment:FACE SHIELD, APPROPRIATE CLOTHING FOR
COVERING EXPOSED SKIN.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE
REUSE.

Supplemental Safety and Health

KEY1:F5. PART 1 OF 3 PART KIT. CONT'D: CHRONIC: SKIN SENSITIZATION,
PROLONGED EYE EXPOSURE TO VAPOR MAY CAUSE CONJUNCTIVITIS.
INHALATION OVEREXPOSURE/SINGLE LARGE DOSE, INDIVIDUALS WILL DEVELOP
ISOCYA NATE SENSITIZATION.OVEREXPOSUR
E TO ISOCYANATES:LUNG
DAMAGE,DECREASE IN LUNG FUNCTION & TEMPORARY/PERMANENT
SENSITIZATION

===== Physical/Chemical Properties =====

HCC:F5

Spec Gravity:1.002

Solubility in Water:SLIGHT

Appearance and Odor:OPAQUE LIQUID

Percent Volatiles by Volume:41.796

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

WATER, AMINES, STRONG BASES, ALCOHOLS

Stability Condition to Avoid:HIGH HEAT, MOISTURE

Hazardou

s Decomposition Products:HIGH HEAT/FIRE: NITROGEN OXIDES, CO,
CO2 & TRACES OF HYDROGEN CYANIDE.

Conditions to Avoid Polymerization:MOISTURE

===== Disposal Considerations =====

Waste Disposal Methods:INCINERATION IS THE PREFERRED METHOD. EMPTY
CONTAINERS MUST BE HANDLED W/CARE DUE TO PRODUCT RESIDUE. DISPOSE
OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. UN 1993 FLAMMABLE
LIQUID. D001, F005.

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