

SHAPE PRODUCTS -- TOLUENE,REFERENCE FUEL -- 6810-00-411-4192

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

Product ID:TOLUENE,REFERENCE FUEL

MSDS Date:01/01/1985

FSC:6810

NIIN:00-411-4192

MSDS Number: BDYGL

=== Responsible Party ===

Company Name:SHAPE PRODUCTS

Address:1127 57TH AVE.

City:OAKLAND

State:CA

ZIP:94621-4427

Country:US

Info Phone Num:415-534-1186

Emergency Phone Num:415-534-1186

CAGE:3D869

=== Contractor Identification ===

Company Name:SHAPE PRODUCTS

Address:1

127 57TH AVE.

Box:City:OAKLAND

State:CA

ZIP:94621-4427

Country:US

Phone:510-534-1186 OR 800-444-0015

CAGE:3D869

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

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: >95%

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Effects of Overexposure:DERMATITIS, BRONCHITIS, PNEUMONITIS, LACK OF

APPETITE, NAUSEA, VOMIT, FATIGUE, DIZZ.

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

First Aid:IRRIGATE EYES W/WATER. WASH CONTAM AREAS OF BODY W/SOAP & WATER. EXPOSED PERSON SHOULD BE REMOVED IMMED TO FRESH AIR & KEPT WARM/QUIET. IF BRTHNG HAS STOPPED, ARTIF RESP SHOULD BE COMMENCED.

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

Flash Point Method:CC

Flash Point:=4.4C, 40.F

Autoignition Temp:=536.1C, 997.F

Lower Limits:1.20

Upper Limi

ts:7.10

Extinguishing Media:ALCOHOL & FOAM

Fire Fighting Procedures:WATER INEFFECTIVE, USE H*2O SPRAY, CO*2, DRY CHEM, FOAM

Unusual Fire/Explosion Hazard:MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION & FLASH BACK. DANGEROUS IF EXPOSED TO HEAT.

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

Spill Release Procedures:ABSORB IN MATL SUCH AS VERMICULITE & TREAT AS SOLID MATL

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

Handling and

Storage Precautions:PROTECT CNTNRS AGAINST PHYSICAL DAMAGE. OUTDOORS OR DETACHED OR INSULATED STORAGE PREFERABLE. INDOOR STORAGE SHOULD BE IN FLAMMABLE STG ROOM.

Other Precautions:WEAR CHEM GOGGLES, CHEM CARTRIDGE RESP OR SELF-CNTND BRTHNG APPARATUS & RUBBER GLOVES. KEEP AWAY FROM OXIDIZING MATL.

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

Respiratory Protection:SELF-CNTND BRTHNG APPARATUS

Ventilation:AS REQ TO CONTROL TLV IN AIR, LOCAL EXHST PREFERRED

Prote

ctive Gloves:RUBBER
Eye Protection:CHEM GOGGLES
Other Protective Equipment:CHEM CARTRIDGE RESP
Supplemental Safety and Health

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

HCC:F2
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:=110.6C, 231.F
Vapor Pres:37
Vapor Density:3.14
Spec Gravity:0.90
Evaporation Rate & Reference:4.5, REF ETHER
Solubility in Water:NEGLIGIBLE
Appearance and Odor:COLORLESS, BENZENE-TYPE ODOR
Percent Volatiles by Volume:100

===== Stabilit
y and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, CORROSIVES(ESPECIALLY ACIDS)
Stability Condition to Avoid:SOURCES OF IGNITION
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, WATER

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

Waste Disposal Methods:CONC SOLUTION BURN OR INCINERATE UNDER APPRVD
CONTROLLED PROCEDURES

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