

SOUTHWEST SOLV & CHEM -- TOLUENE-METHYL ISOBUTYL KETONE MIXTURE --
6810-00-286-0458

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

Product ID:TOLUENE-METHYL ISOBUTYL KETONE MIXTURE

MSDS Date:06/22/1992

FSC:6810

NIIN:00-286-0458

MSDS Number: BSKTQ

=== Responsible Party ===

Company Name:SOUTHWEST SOLV & CHEM

Box:41065

City:HOUSTON

State:TX

ZIP:77241

Country:US

Info Phone Num:713-937-9300

Emergency Phone Num:713

-937-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:SOUTH

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:SOUTHWEST SOLV & CHEM

Box:41065

City:HOUSTON

State:TX

ZIP:77241

Country:US

Phone:713-937-9300

CAGE:SOUTH

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

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

F

raction by Wt: 51%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TLV:S 50 PPM 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 48%
Other REC Limits:NONE SPECIFIED
OSHA PEL:50 PPM/75 STEL
ACGIH TLV:50 PPM/75 STEL; 9394
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 2080 MG/KG.

Routes of Entry

: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: IRRITATION, BLURRED VISION.

SKIN: IRRITATION, DEFATTING, DERMATITIS, SKIN ABSORPTION INCREASES
EXPOSURE. INHALATION: ANESTHETIC EFFECT, IRRITATION OF RESPIRATORY
TRACT, NERVOUS SYSTEM DEPRESSION, DAMAGE TO KIDNEYS, BLOOD,
NERVES, LIVER, AND LUNGS. INGESTION: HARMFUL OR FATAL, IRRITATION,
NAUSEA,VOMITING,DIARRHEA.

Explanation of Carcinogenicity

:NONE.

Effects of Overexposure:EYES: IRRITATION, BLURRED VISION, REDNESS,
TEARING. SKIN: IRRITATION, DERMATITIS. INHALATION: RESPIRATORY
TRACT IRRITATION, CENTRAL NERVOUS SYSTEM DEPRESSION, DAMAGE TO
KIDNEYS, BLOOD, NERVES, LIVER, AND LUNGS. INGESTION: GI TRACT
IRRITATION, NAUSEA, VOMITING, DIARRHEA, DEATH.

Medical Cond Aggravated by Exposure:PERSONS WITH SEVERE SKIN, LIVER,
HEART, LUNG, OR KIDNEY PROBLEMS SHOULD AVOID USE OF THIS PRODUCT.

===== First Aid

Measures =====

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. IF ADVERSE SYMPTOMS DEVELOP, GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

===== Fire Fighting

Measures =====

Flash Point Method:TCC

Flash Point:45.0F,7.2C

Lower Limits:1.4

Extinguishing Media:CARBON DIOXIDE, FOAM. NFPA CLASS B EXTINGUISHERS.

Fire Fighting Procedures:WATER SPRAY MAY BE INEFFECTIVE ON FIRE BUT CAN PROTECT FIRE-FIGHTERS AND COOL CLOSED CONTAINERS. USE FOG NOZZLES IF WATER IS USED.

Unusual Fire/Explosion Hazard:FLAMMABLE. KEEP CONTAINER TIGHTLY CLOSED. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. EMPTY CONTAINERS MAY BE VERY HAZARDOUS.

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

Spill Release Procedures:STOP SPILL AT SOURCE. DIKE AREA AND CONTAIN SPILL. CLEAN UP REMAINDER WITH ABSORBENT MATERIALS. MOP UP RESIDUE. PERSONS WITHOUT PROPER PROTECTION SHOULD BE KEPT FROM AREA UNTIL CLEANED UP. USE EXPLOSION-PROOF EQUIPMENT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM OXIDIZERS, HEAT, SPARKS, ELECTRIC EQUIPMENT, OPEN FLAME. USE ONLY WITH ADEQUATE VENTILATION.

Other Precautions:DO NOT STORE ABOVE 120F. STORE LARGE AMOUNTS IN STRUCTURES MADE FOR OSHA CLASS I B LIQUIDS. KEEP CONTAINER TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE TO PREVENT LEAKAGE. AVOID FREE FALL OF LIQUID. GRO UNDCONTAINERS WHEN TRANSFERRING.

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

Respiratory Protectio

n:IF VENTILATION DOES NOT MAINTAIN INHALATION

EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS. VENTILATE TO KEEP VAPORS OF THIS MATERIAL BELOW 35 P PM.

Ventilation:USE EXPLOSION-PROOF MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION AS NECESSARY TO MAINTAIN SAFE EXPOSURE LIMITS.

Protective Gloves:WEAR GLOVES IMPERVIOUS TO THIS PRODUCT.

Eye Protection:CHEMICAL SPLASH GOGGLES OR FACE SHIELD.

Other Protective Equipment:EYE

WASH STATION AND SAFETY SHOWER. WEAR

APRON AND FOOTWEAR IMPERVIOUS TO THIS PRODUCT.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

GROUND CONTAINERS WHEN TRANSFERRING. DO NOT FLAME CUT, SAW, DRILL, BRAZE, OR WELD EITHER CONTAINERS CONTAINING PRODUCT OR EMPTY, USED CONTAINERS. EMPTY CONTAINERS ARE VERY HAZARDOUS. CONTINUE ALL LABEL PRECAUTIONS FOR EMPTY CONTAINERS.

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

HCC:F2

Boiling Pt:=111.C, 231.8F

Vapor Pres:19.1

Vapor Density:3.3

Spec Gravity:0.839

Appearance and Odor:WATER-WHITE LIQUID. KETONE ODOR.

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

ISOLATE FROM STRONG OXIDIZERS SUCH AS PERMANGANATES, CHROMATES, AND PEROXIDES.

Stability Condition to Avoid:ISOLATE FROM OXIDIZERS, HEAT, SPARKS,

ELECTRIC EQUIPMENT, AND OPEN FLAME.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE FROM BURNING.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:RECYCLE FOR RECOVERY OR DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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