

CSD INC. -- TOLUENE-METHYL ISOBUTYL KETONE MIXTURE -- 6810-00-286-2285

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Product Identification
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Product ID:TOLUENE-METHYL ISOBUTYL KETONE MIXTURE

MSDS Date:07/11/1986

FSC:6810

NIIN:00-286-2285

MSDS Number: BDTTJ

=== Responsible Party ===

Company Name:CSD INC.

Address:5 HACKBERRY LANE

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Info Phone Num:409-756-1065

Emergency Phone Num:409-75

6-1065

CAGE:JO933

=== 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:CSD INC.

Address:5 HACKBERRY LANE

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:JO933

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Composition/Information on Ingredients
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Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 50%

OSHA PE

L:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
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: 50%
OSHA PEL:100 PPM/75 STEL
ACGIH TLV:50 PPM/75 STEL; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 3540 MG/KG (MIX AVG.)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:N
O IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: VAPOR IRRITATES EYES, NOSE AND THROAT; IS ANESTHETIC. LIQUID IS IRRITATING TO SKIN, CAUSING DERMATITIS. CHRONIC: BRAIN CELL DAMAGE MAY RESULT FROM LONG TERM INHALATION OF TOLUENE VAPOR. RESPIRATORY TRACT IRRITATION.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYE, SKIN & RESPIRATORY TRACT IRRITATION. MAY CAUSE HEADACHE, NARCOSIS, COMA, DERMATITIS, MUSCLE FATIGUE, WEAKNESS, DIZZINESS, NERVOUSNESS, PARESTHESIA, PHOTOPHOBIA, AND CONFUSION.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES :IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP & WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION

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

Flash Point Method:TCC
Flash Point:52F, 11C
Lower Limits:1.4
Upper Limits:7.5
Extinguishing Media:

USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER
FOG.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:WATER MAY BE UNSUITABLE AS AN
EXTINGUISHING MEDIA, BUT HELPFUL IN KEEPING ADJACENT CONTAINERS
COOL. AVOID SPREADING BURNING LIQUID WITH WATER.

===== Accidental Release Measures =====
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Spill Release Procedures:SMALL SPILL: WIPE/SOAK UP WITH PAPER TOWEL OR
INERT ABSORBANT. PUT IN DISPOSAL CONTAINER. LARGE SPILL: EVACUATE
AND VENTILATE AREA. ELIMINATE SOURCES OR IGNITION. STOP LEAK IF
POSSIBLE. DIKE TO RETAIN RUN OFF. VACUUM UP FREE LIQUID. FLUSH
RESIDUE.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED
AREA AWAY FROM IGNITION SOURCES. KEEP CONTAINERS CLOSED WHEN NOT IN
USE. PROTECT CONTAINER FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID
PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES.
USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.
LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION
EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED AIR-SUPPLIED MASK
AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND
NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL): EXPLOSION-PROOF VENTILATION
EQUIPMENT. LOCAL EXHAUST: FACE VELOCITY 60 FPM IN CONFINED AREA.

Protective Gloves:NEOPRENE, NITRILE, OR VPC

Eye Protection:CHEMICAL SPLASH GOGGLES WITH FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. DO NOT SMOKE IN WORK AREA. PSN FOR THIS PRODUCT IS CHANGE 27 JUL 93 FROM PAINT RELATED MATERIAL TO FLAMMABLE LIQUIDS, N.O.S. PER MANUFACTURER.

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

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HCC:F2

Boiling Pt:=110.6C, 231.F

Vapor Pres:40

Vapor Density:3.45

Spec Gravity:0.836

Evaporation Rate & Reference:1.65(N-BUTYL ACETATE = 1)

Solubility in Water:MODERATE

Appearance and Odor:CLEAR, COLORLESS LIQUID, AROMATIC HYDROCARBON ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

CAUSTIC, AMINES, ALKANOLAMINES, AMMONIA, HALOGENS, ORGANIC & INORGANIC ACIDS, STRONG OXIDIZERS & CHLORINATED COMPOUNDS.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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