

CHEMICAL SPECIALISTS AND DEVELOPMENT -- 1,1,1,TRICHLOROETHANE -- 6810-00-664-0387
===== Product Identification =====

Product ID:1,1,1,TRICHLOROETHANE

MSDS Date:08/01/1990

FSC:6810

NIIN:00-664-0387

MSDS Number: BHHPG

=== Responsible Party ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT

Address:5 HACKBERRY LANE

Box:3087

City:CONROE

State:TX

ZIP:77305

Country:US

Info Phone Num:409-756-1065

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rgency Phone Num:409-756-1065/1083 FAX DAVID /SHANAN

CAGE:4N760

=== 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

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:800-424-9300

CAGE:0LWP6

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

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)
CAS

:71-55-6
RTECS #:KJ2975000
Fraction by Wt: 90 - 95%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:350 PPM
ACGIH TLV:350 PPM/450STEL;9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS
Ozone Depleting Chemical:1

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE OR CHRONIC OVEREXPOSURE - CAN
CAUSE VOMITING, NAUSEA, DROWSINESS, UNCONSCIOUSNESS AND IN EXTREME
CASES, DEATH.
Explanation of Carcinogenicity:CONTAINS DIETHYLENE ETHER(1,4-DIOXANE).
1,4- DIOXANE IS LISTED BY NTP AND IARC AS AN ANIMAL CARCINOGEN
1,4-D.
Effects of Overexposure:ACUTE OR CHRONIC OVEREXPOSURE CAN CAUSE
VOMITING, NAUSEA, DROWSINESS, UNCONSCIOUSNESS AND IN EXTREME CASES,
DEATH.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE
MORE SUSCEPTIBLE TO THIS MATERIAL.

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===== First Aid Measures =====
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First Aid:GET MEDICAL ATTENTION IN ALL CASES. SKIN: WASH WITH SOAP AND
WATER. INHALATION: REMOVE TO FRESH AIR & PROVIDE OXYGEN/ CPR IF
NECESSARY. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE
HOLDING EYELIDS OPEN. INGESTION: DO NOT INDUCE VOMITING. CALL A
PHYSICIAN.

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===== Fire Fighting Measures =====
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Flash Point:NONE
Lower Limits:7.5
Upper Limits:15.5
Extinguishing Media:CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER S

PRAY

MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPORS CAN BE IGNITED BY HIGH ENERGY IGNITION SOURCE. DECOMPOSES WITH FIRE OR HOT SURFACES TO ACIDIC GASES AND OTHER HIGHLY TOXIC SUBSTANCES.

===== Accidental Release Measures =====
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Spill Release Procedures:CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATER COURSES. REMOVE ALL SOURCES OF IGNITION. ABSORB MATERIAL WITH CLAY, SAND, OR SIMILAR ABSORBENT MATERIAL. PLACE IN DISPOSAL CONTAINER.

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

Handling and Storage Precautions:STORAGE-STORE IN COOL, DRY VENTILATED AREA AWAY FROM HEAT AND FLAMES.

Other Precautions:DO NOT GENERATE MISTS OR VAPORS. AVOID BREATHING VAPORS OR MISTS. AVOID EYE OR SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING OR DRINKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective Gloves:NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL

Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT.

WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES

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

HCC:T4

Boiling Pt:B.P. Text:162F,72C

Melt/Freeze Pt:M.P/F

.P Text:36.0F,2.2C
Vapor Pres:100
Vapor Density:4.6
Spec Gravity:1.3
Evaporation Rate & Reference:0.4 ?
Solubility in Water:MODERATE
Appearance and Odor:COLORLESS, CLEAR LIQUID - MILDLY SWEET ODOR
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
NONE KNOWN.
Stability Condition to Avoid:OPEN FLAMES, HOT SURFACES OR WELDING
EMISSIONS
Hazardous Decomposition Products:HYDROGEN CHLORIDE, PHOSGENE A
ND OTHER
HIGHLY TOXIC SUBSTANCES.

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

Waste Disposal Methods:DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE
LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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