

MALTER INTERNATIONAL BULK CHEMICAL DIVISION -- TRICHLOROETHANE,TECHNICAL --
6810-00-664-0387

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

Product ID:TRICHLOROETHANE,TECHNICAL

MSDS Date:02/01/1989

FSC:6810

NIIN:00-664-0387

Status Code:A

MSDS Number: CKZHQ

=== Responsible Party ===

Company Name:MALTER INTERNATIONAL BULK CHEMICAL DIVISION

Address:80 FIRST STREET

City:GRETNA

State:LA

ZIP:70053

Country:US

Info P

hone Num:504-362-3232, OR 800-535-4095

Emergency Phone Num:999-999-9999

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:27978

=== Contractor Identification ===

Company Name:MALTER INTERNATIONAL BULK CHEMICAL DIVISION

Address:80 FIRST STREET

Box:City:GRETNA

State:LA

ZIP:70053

Country:US

Phone:504-362-3232, OR 800-535-4095

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

Ingred Name:1,1,1 TRICHLOROMETHANE (STABILIZED)

= Wt:100.

OSHA PEL:350 PPM

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

Effects of Overexposure:INHALATION: MAJOR ROUTE OF EXPOSURE-LOW SYSTEMIC TOXICITY; ACUTE EXPOSURE IN THE 1000PPM RANGE CAUSE NARCOSIS. OVEREXPOSURE CAN CAUSE DIZZINESS,DRUNKENNESS AND DROSINESS, UNCONSCIOUSNESS AND EVEN DEATH AT EXTREME DOSES. SKIN CONTACT/ABSORPTION: PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE DERMATITIS THROUGH DEFATTING OF SKIN. INGESTION: UNLIKELY ROUTE OF EXPOSURE, INGESTION OF SMALL QUANTITIES IS NOT LIKELY BE TOXIC.

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

First Aid:EYES AND SKIN: REMOVE CONTAMINATED CLOTHING AND FLUSH EXPOSED AREAS WITH WATER FOR 5 TO 15 MINUTES. INHALATION: REMOVE TO FRESH AIR . IF BREATHING HAS STOPPED, ADMINISTER RESPIRATION OR OXYGEN IF AVAILABLE. INGESTION: DO NOT INDUCE VOMITING. CALL PHYSICIAN AND OBTAIN MEDICAL ATTENTION.

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

Flash Point Method:TCC
Lower Limits:7.5%
Upper Limits:15.0%
Extinguishing Media:FOAM, DRY CHEMICAL, CARBON DIOXIDE
Fire Fighting Procedures:SELF CONTAINED BREATHING APPARATUS SHOULD BE USED WHERE 1,1,1 TRICHLOROMETHANE IS STORED.
Unusual Fire/Explosion Hazard:CONCENTRATED VAPORS CAN BE IGNITED BY HIGH INTENSITY HEAT SOURCE. DECOMPOSITION PRODUCES HYDROGEN CHLORIDE.

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

Spill Release Procedures:CLEAN UP AREA (WEAR PROTECTIVE CLOTHING)

BY
MOPPING OR WITH ABSORBENT MATERIAL
TRANSFER TO CLOSED CONTAINER.

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

Handling and Storage Precautions:AVOID CONTACT WITH SKIN AND AVOID
BREATHING VAPORS. PIPE VENTS OUTDOOR. STORE IN
COOL, DRY, VENTILATED AREA. VAPORS ARE HEAVIER THAN AIR AND WILL
COLLECT IN LOW
AREA.

Other Precautions:PREVENT MOIST AIR FROM ENTERING STORGE. NO SMOKING IN
PRESENCE OF VAPORS. CONTACT
WITH ALUMINUM PARTS IN A PRESSURIZABLE FLUID S
YSTEM MAY CAUSE VIOLENT
REACTIONS.
CONSULT EQUIPMENT SUPPLIER FOR FURTHER INFORMATION.

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

Respiratory Protection:NONE REQUIRED WHEN USED WITH ADEQUATE
VENTILATION.

Ventilation:LOCAL EXHAUST: SUFFICIENT TO MAINTAIN BELOW PEL.

Protective Gloves:NEOPRENE, VITRON, POLYVINYL ALCOHOL COATED GLOVES OR
EQUIVALENT.

Eye Protection:CHEMICAL SAFETY GOGGLES. CONTACT LENSES SHOULD NOT BE
WORN.

Other Protective Equipment:HEADGE
AR & APRON WHEN SPLASHING IS A
PROBLEM.

Supplemental Safety and Health

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

Boiling Pt:=87.8C, 190.F

Vapor Pres:(MM HG) @20°C 100

Vapor Density:(AIR=1)4.6

Spec Gravity:(H2O=1):1.3

Evaporation Rate & Reference:(ETHER=1): 0.4

Solubility in Water:0.07G/100G @ 25°C

Appearance and Odor:COLORLESS CLEANLIQUID; MILDLY SWEET ODOR.

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

Stability Indicator/Materials to

Avoid: YES

STRONG ALKALIES, OXIDIZING MATERIALS.

Stability Condition to Avoid: CONTACT WITH OPEN FLAMES, HOT SURFACES OR
ELECTRIC ARCS.

Hazardous Decomposition Products: HYDROGEN CHLORIDE, PHOSGENE (SMALL
AMOUNTS)

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

Waste Disposal Methods: RECOVERED LIQUIDS MAY BE SENT TO A LICENSED
RECLAIMED OR INCINERATED. CONTAMINATED
ABSORBENT MATERIAL MUST BE DISPOSED OF IN A PERMITTED WASTE MANAGEMENT
FACILITY.
CONSULT FEDERAL
, STATE AND LOCAL DISPOSAL AUTHORITIES FOR APPROVED
PROCEDURES.

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