

FISHER SCIENTIFIC, CHEMICAL DIV. -- C298-4 CHLOROFORM -- 6810-01-449-5127

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Product Identification
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Product ID:C298-4 CHLOROFORM

MSDS Date:07/03/1997

FSC:6810

NIIN:01-449-5127

MSDS Number: CFWBC

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796

-7100/800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients
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Ingred Name:CHLOROFORM (SARA 302/313) (CERCLA)

CAS:67-66-3

RTECS #:FS9100000

Fraction by Wt: >99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 50 PPM

ACGIH TLV:10 PPM; A2; 9596

EPA Rpt Qty:10 LBS

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===== Hazards Identification =====
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LD50 LC50 Mixture:ORAL,RAT LD50: 908MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:CONTACT MAY CAUSE SKIN & EYE

IRRITATION.INHALATION & INGESTION MAY CAUSE CNS DEPRESSION.MAY
CAUSE RESPIRATORY & GI TRACT IRRITATION.INGESTION MAY CAUSE KIDNEY
& LIVER DAMAGE.INHALATION MAY CAUSE CARDI AC SENS

ITIZATION &

POSSIBLE FAILURE.CHRONIC:PROLONGED/REPEATED EXPOSURE MAY CAUSE
KIDNEY INJURY,CANCER,LIVER DAMAGE.

Explanation of Carcinogenicity:LISTED BY IARC (GROUP 2B CARCINOGEN),
NTP (SUSPECT CARCINOGEN), ACGIH (A2-SUSPECT CARCINOGEN), OSHA
(POSSIBLE SELECT).

Effects of Overexposure:EYES-SEVERE BURNS, POSSIBLE IRREVERSIBLE EYE
DAMAGE. SKIN-BURNING PAIN, ITCHING, REDNESS. INGESTED-NAUSEA,
VOMITING, DIARRHEA, CARDIAC DISTURBANCES. INHALED-HEADACHE,
DIZZINESS, UNCONSCIOUSNESS, COMA.

SNES, COMA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

TARGET ORGANS: KIDNEYS, HEART, CENTRAL NERVOUS SYSTEM, LIVER,
GASTROINTESTINAL SYSTEM, EXCRETORY SYSTEM.

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===== First Aid Measures =====
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First Aid:IN ALL CASES GET IMMEDIATE MEDICAL ATTENTION. EYES-FLUSH WITH
WATER FOR 15 MINUTES, LIFT LIDS. SKIN-REMOVE CONTAMINATED CLOTHES.
WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. GIVE
OXYGEN O R ARTIFICIAL

RESPIRATION AS NEEDED. INGESTED-DO NOT INDUCE

VOMITING! IF CONSCIOUS/ALERT, GIVE 2-4 CAPFULS MILK/WATER.

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===== Fire Fighting Measures =====
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Flash Point:NOT AVAILABLE

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, FOAM. USE

EXTINGUISHING MEDIA MOST APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL FIRE FIGHTER'S PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:NON-FLAMMABLE.

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

Spill Release Procedures: ABSORB SPILL WITH INERT MATERIAL, THEN PLACE IN A CHEMICAL WASTE CONTAINER. AVOID RUNOFF INTO STORM SEWERS & DITCHES WHICH LEAD TO WATERWAYS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: DO NOT STORE IN DIRECT SUNLIGHT. STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS.

LS. KEEP AWAY FROM ACIDS.

Other Precautions: DO NOT STORE NEAR ALKALINE SUBSTANCES. USE WITH ADEQUATE VENTILATION. DO NOT GET ON SKIN OR IN EYES. AVOID INGESTION & INHALATION.

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

Respiratory Protection: FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 29 CFR 1910.134. ALWAYS USE A NIOSH-APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation: USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: APPROPRIATE PROTECTIVE GLOVES.

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE. DLA-HMIS: EYE WASH STATION & SAFETY SHOWER AVAILABLE.

Work Hygienic Practices: WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

INCOMPATIBLES CONTINUED: NITROGEN TETROXIDE, PHOSPHOROUS PENTOXIDE

POTASSIUM, POTASSIUM HYDROXIDE, METHYL ALCOHOL, POTASSIUM TER-BUTOXIDE, SODIUM METHYLATE, SODIUM-POTASSIUM ALLOY, TRIISOPROPYLPHOSPHINE, CALCIUM HYDROXIDE, FLUORINE.

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

HCC:T3

Boiling Pt: B.P. Text: 143F, 62C

Melt/Freeze Pt: M.P/F.P Text: -82F, -63C

Decomp Temp: Decomp Text: NOT AVAIL..

Vapor Pres: 160

Vapor Density: 4.12

Spec Gravity: 1.5

Viscosity: 5.63 MP @ 68F

Evaporation Rate & Reference: 11.6 (N-BUTYL ACETATE=1)

Solu

bility in Water:INSOLUBLE

Appearance and Odor:CLEAR, COLORLESS, VOLATILE LIQUID; SWEET ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACETONE, ALKALIS, STRONG OXIDIZING AGENTS, DISILANE, LITHIUM,
MAGNESIUM, NITROGEN TETROXIDE, PERCHLORIC ACID, SODIUM....

Stability Condition to Avoid:HIGH TEMPERATURES, INCOMPATIBLE MATERIALS,
LIGHT.

Hazardous Decomposition Products:HYDROGEN CHLORIDE, CARBON DIOXIDE,
CHLORINE, PHOS
GENE GAS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL ENVIRONMENTAL REGULATIONS.

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