

CHLOROFORM

MSDS Number

BCWXM

National Stock Number

6810-00-063-6164

Product Name

CHLOROFORM

Manufacturer

MALLINCKRODT INC SCIENCE PRODUCTS DIV

Product Identification

Product ID:CHLOROFORM

MSDS Date:11/14/1985

FSC:6810

NIIN:00-063-6164

MSDS Number: BCWXM

Responsible Party

MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION

PARIS BYPASS

PARIS , KY 40361

Emergency Phone: 314-982-5000

Info Phone: 314-982-5000

Preparer: NOT PROVIDED

Cage: 62910

Contractor

MALLINCKRODT SPECIALTY CHEMICALS CO

PHILLIPSBURG, NJ 08865

US

908-859-2151

Cage: 62910

Ingredients

CHLOROFORM (SARA III)

CAS: 67-66-3

RTECS: FS9100000

Fraction By Weight: >99%

OSHA PEL(C) 50 PPM

ACGIH TLV: 10 PPM; A2; 9293

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

Hazards

LD50 LC50 Mixture:LD50 ORAL RAT=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:ACUTE:SEE SIGNS & SYMPTOMS OF
OVEREXPOSURE. CHRONIC:PROLONGED OR REPEATED EXPOSURE TO VAPORS MAY
CAUSE DAMAGE TO LIVER AND KIDNEYS.CONTACT WITH LIQUID MAY HAVE

DEFATTING EFFECT AND CHRONIC SKIN IRRITATION WITH CRACKING & DRYING AND CORRESPONDING DERMATITIS. MAY CAUSE TUMOR FORMATION.
Explanation of Carcinogenicity: CHLOROFORM IS SUSPECTED BY NTP AND IARC TO BE CARCINOGENIC.

Effects of Overexposure: EYES: PAIN AND IRRITATION OF CONJUNCTIVA; SKIN: IRRITATION, REDNESS, PAIN. REMOVES NATURAL OILS; INHALATION: POTENT ANESTHETIC, IRRITATES RESPIRATORY TRACT AND MAY CAUSE HEADACHE, DROWSINESS, VOMITING, DIZZINESS, AND UNCONSCIOUSNESS. HEART ARRHYTHMIA, KIDNEY & LIVER DISORDER, DEATH; INGESTION: SEVERE BURNING, CHEST PAIN, VOMIT, UNCONSCIOUS
Medical Condition Aggravated by Exposure: PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS, OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY FUNCTION.

First Aid

First Aid: INHAL: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED; INGEST: IF SWALLOWED, GIVE TWO GLASSES OF WATER & INDUCE VOMIT. NOTHING BY MOUTH IF UNCON; SKIN/EYE EXPOSURE: RMV CONTAMINATED CLOTHING. WASH SKIN W/ SOAP & H₂O. FLUSH SKIN/EYES W/ LG H₂O; GET MED HELP IMMEDIATELY

Fire Fighting

Flash Point: NONE
Extinguishing Media: EXTINGUISH W. AGENT SUITABLE FOR SURROUNDING FIRE.
Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS. SPRAY TO COOL CONTAINER.
Unusual Fire/Explosion Hazard: NOT CONSIDERED TO BE AN EXPLOSION HAZARD; SLIGHT FIRE HAZARD WHEN EXPOSED TO HIGH HEAT.

Accidental Release

Spill Release Procedures: ELIMINATE IGNITION SOURCES, VENTILATE & EVACUATE AREA. USE PROTECTIVE CLOTHING/RESPIRATORY PROTECTION FROM VAPOR. CONTAIN & RECOVER LIQUID IF POSSIBLE. ABSORB WITH VERMICULITE, EARTH, ETC. SCOOP UP WITH NON-SPARKING TOOLS & PLACE IN CLOSED CONTAINERS. USE WATER SPRAY TO DISPERSE VAPOR/COOL CONTAINER. DO NOT FLUSH TO SEWER

Handling

Handling and Storage Precautions: KEEP IN TIGHTLY CLOSED CONTAINERS AT COOL, DRY, VENTILATED PLACE. PROTECT AGAINST PHYSICAL DAMAGE.
Other Precautions: AVOID BREATHING VAPORS. USE WITH ADEQUATE VENTILATION. KEEP CONTAINERS CLOSED. WASH THOROUGHLY AFTER HANDLING. AVOID SKIN, EYES & CLOTHING CONTACT; DANGER! MAY BE FATAL IF SWALLOWED, INHALED/ABSORBED BY SKIN

Exposure Controls

Respiratory Protection: SUPPLIED AIR RESPIRATOR/SCBA; ESCAPE: GAS MASK
Ventilation: LOCAL EXHAUST TO MAINTAIN BELOW TLV.
Protective Gloves: IMPERMEABLE
Eye Protection: GOGGLES/FACE SHIELD
Other Protective Equipment: FULL PROTECTIVE CLOTHING, SAFETY SHOWER, EYE WASH STATION
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. REMOVE AND LAUNDRY CONTAMINATED CLOTHING.
Supplemental Safety and Health

Chemical Properties

HCC: T4
NRC/State License Number: NOT RELEVANT
Boiling Point: -61.1°C, -142°F
Melting/Freezing Point: -63.3°C, -82°F
Vapor Pressure: 100
Vapor Density: 4.1
Specific Gravity: 1.49
Evaporation Rate & Reference: 11.6 (BU-A-C=1)
Solubility in Water: 0.8%
Appearance and Odor: CLEAR COLORLESS LIQUID. HEAVY ETHERAL ODOR
Percent Volatiles by Volume: 100

Stability

Stability Indicator/Materials to Avoid: YES
STRONG CAUSTICS, CHEM. ACTIVE METALS, AL, K, MG, NA; ACETONE,
FLUORINE, METHANOL, NA METHOXIDE, DINITROGEN TETROXIDE, TERT-BUTOXIDE
Stability Condition to Avoid: PREVENT EXPOSURE TO AIR AND LIGHT (FORM
PHOSGENE & HCL GASES)
Hazardous Decomposition Products: HCL, CL₂, PHOSGENE, & CO GASES WHEN
HEATED TO DECOMPOSITION.

Disposal

Waste Disposal Methods: SPILLS & LOT SIZES MAY BE COLLECTED & ATOMIZED IN
RCRA APPROVED COMBUSTION CHAMBER EQUIPPED WITH EFFLUENT GAS CLEANING
DEVICE, OR ABSORBED IN ABSORBENT & DISPOSED IN RCRA APPROVED
FACILITY. ENSURE COMPLIANCE WITH LOCAL, STATE & FEDERAL REGS; RCRA/CWA
RQ: 5000 LBS.

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