

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-96/96-18-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

96-18-4

Code:

M

RTECS:

TZ9275000

Code:

M

Name:

1,2,3-TRICHLOROROPANE *94-4*

Other REC Limits:

10 PPM

OSHA PEL:

200 PPM

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

200 PPM

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

WEAR APPROPRIATE OSHA/MSHA APPROVED SAFETY EQUIPMENT.

Ventilation:

CHEMICAL SHOULD BE HANDLED ONLY IN A HOOD.

Protective Gloves:

N/K

Eye Protection:

EYE SHIELDS

Other Protective Equipment:

Equipment N/K

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES BEFORE REUSE. 3

Supplemental Safety and Health:

ORAL LD50 & MSDS INFORMATION IS FOR METHANOL.

Health Hazards Data

LD50LC50Mixture:

ORAL LD50 (RAT/MOUSE): 5628 MG/KG (SUPP)

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

SKIN: FATAL IF ABSORBED. INHALATION: FATAL. INGESTION: FATAL. MAY CAUSE BLINDNESS. EYES: INJURY. EXPOSURE CAN CAUSE CARDIOVASCULAR SYSTEM INJURY, LIVER & KIDNEY DAMAGE.

Explanation Of Carcinogenicity:

NTP CARCINOGEN BY KIM BUNTLY FROM CHEM SERVICE.

Signs And Symptoms Of Overexposure:

GI DISTURBANCES, CONVULSIONS.

Medical Cond Aggravated By Exposure:

N/K

First Aid:

EYES: FLUSH CONTINUOUSLY W/WATER FOR 15-20 MINS. SKIN: FLUSH W/WATER FOR 15-20 MINS. IF NOT BURNED, WASH W/SOAP & WATER TO CLEANSE. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED & CONTINUE UNTIL MEDICAL ASSISTANCE ARRIVES. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

EVACUATE AREA. WEAR APPROPRIATE OSHA REGULATED EQUIPMENT. VENTILATE AREA. ABSORB ON VERMICULITE/SIMILAR MATERIAL. SWEEP UP & PLACE IN APPROPRIATE CONTAINER/HOLD FOR DISPOSAL. WASH CONTAMINATED SURFACES TO REMOVE ANY RESIDUES.

Neutralizing Agent:

N/K 2

Waste Disposal Methods:

BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER & SCRUBBER IAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE IN A COOL DRY PLACE ONLY W/COMPATIBLE CHEMICALS. KEEP TIGHTLY CLOSED. FOR LABORATORY USE ONLY. HYGROSCOPIC.

Other Precautions:

AVOID CONTACT W/SKIN, EYES & CLOTHING. DON'T BREATH VAPORS. CONTACT LENSES SHOULDN'T BE WORN IN THE LABORATORY. ALL CHEMICALS SHOULD BE CONSIDERED HAZARDOUS. AVOID DIRECT PHYSICAL CONTACT.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

51.8F

Flash Point Text:

51.8F

Autoignition Temp:

36

Autoignition Temp Text:

N/A

Lower Limits:

6.7

Upper Limits:

36

Extinguishing Media:

CO2, DRY CHEMICAL POWDER. DON'T USE WATER.

Fire Fighting Procedures:

N/K

Unusual Fire/Explosion Hazard:

FLAMMABLE CHEMICAL.

Physical/Chemical Properties

HCC:**NRC/State LIC No:****Net Prop WT For Ammo:****Boiling Point:**

149.28F

Melt/Freeze Pt:

-144.4F

Decomp Temp:

N/K

Decomp Text:

N/K

Vapor Pres:

97

Vapor Density:

1.11

Water Solubility:

N/A

Volatile Org Content %:

N/K

VOC Pounds/Gallon:

N/K

PH:

N/K

VOC Grams/Liter:

N/K

Viscosity:

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

N/M

Appearance and Odor:

COLORLESS LIQUID

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

MOISTURE.

Materials To Avoid:

STRONG ACIDS/OXIDIZING AGENTS/REDUCING AGENTS, ACID HALIDES, ANHYDRIDES, ACTIVE METALS, SODIUM.

Hazardous Decomposition Products:

TOXIC FUMES.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:**MSDS Transport Information****Information:****Regulatory Information****Information:****Title III Information:****Federal Regulatory Information:****State Regulatory Information:****Other Information:****Other Information:**

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