

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

ACGIHSTEL:
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 Symptions 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 & CONTINU E 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 SURFAC ES TO REMOVE ANY RESIDUES.

Neutralizing Agent:
N/K 2

Waste Disposal Methods:
BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER & SCRUBBER JAW/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:

Flash Point Text:
51.8F

Autoignition Temp:

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:

B.P. Text:
148.28F

Melt/Freeze Pt:

M.P/F.P Text:
-144.4F

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
97

Vapor Density:
1.11

Volatile Org Content %:

Spec Gravity:
N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
MISCIBLE

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:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P