

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-446/4461-52-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

4461-52-3

Code:

M

RTECS:

Code:

X

Name:

METHYOXYMETHANOL *91-4*

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

OSHA STEL:

Code:

2

ACGIH TLV:

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE FULL FACE NIOSH APPROVED FORMALDEHYDE/ACID GAS CARTRIDGE/CANISTER RESPIRATOR WITHIN USE LIMITATIONS OF THESE DEVICES IN ALL OTHER SITUATIONS, USE SELF-CONTAINED BREATHING APPARATUS (SCBA).

Ventilation:

LOCAL EXHAUST: RECOMMENDED WHEN APPROPRIATE TO CONTROL EMPLOYEE EXPOSURE.

Protective Gloves:

NEOPRENE OR RUBBER GLOVES.

Eye Protection:

CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:

Equipment FOR OPERATIONS WHERE SPILLS/SPLASHING MAY OCCUR USE AN IMPERVIOUS BODY/SHOE COVERING. SAFETY SHOWER/EYE BATH REQUIRED.

Work Hygienic Practices:

REMOVE CONTAMINATED CLOTHING AND WASH WITH LARGE AMOUNTS OF WATER.

Supplemental Safety and Health:

BOILING POINT RANGE: 193-197 F

Health Hazards Data

LD50/LC50 Mixture:

N/K

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

YES

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

INGESTION: POISONOUS IF SWALLOWED CAUSES SEVERE IRRITATION & INFLAMMATION OF MOUTH THROAT & STOMACH SEVERE STOMACH PAINS WILL FOLLOW W/POSSIBLE LOSS OF CONSCIOUSNESS, BLINDNESS/DEATH. INHALATION: IRRITATION TO UPPER RESPIRATORY TRACT. INFLAMMATION OF LINING OF NOSE/THROAT/LUNGS. SKIN: IRRITATION. EYES: TEARING/BURNS

Explanation Of Carcinogenicity:

FORMALDEHYDE IS A 2B CARCINOGEN.

Signs And Symptoms Of Overexposure:

INGESTION: POISONOUS IF SWALLOWED. CAUSES SEVERE IRRITATION/INFLAMMATION OF MOUTH/THROAT/STOMACH SEVERE STOMACH PAINS WILL FOLLOW W/POSSIBLE LOSS OF CONSCIOUSNESS/BLINDNESS/DEATH. INHALATION:IRRITATING TO UPPER RESPIRATORY TRACT/INFLAMMATION OF LINING OF NOSE/THROAT/LUNGS SKIN: IRRITATION DRYING CRACKING. EYES: TEARING.

Medical Cond Aggravated By Exposure:

N/K

First Aid:

INGESTION: INDUCE VOMITING OF CONSCIOUS PATIENT IMMEDIATELY BY GIVING 2 GLASSES OF WATER AND PRESSING FINGER DOWN THROAT. INHALATION: REMOVE PATIENT FROM CONTAMINATED AREA. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION, THEN OXYGEN IF NEEDED. SKIN: REMOVE CONTAMINATED CLOTHING AND WASH W/LARGE AMOUNTS OF WATER. EYES: FLUSH EYES W/WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION.

Spill Release Procedures:

AVOID BREATHING OF VAPOR. VENTILATE AREA. PLACE LEAKING CONTAINERS IN WELL VENTILATED AREAS. ELIMINATE IGNITION SOURCES. CONTAIN SPILLS WITH INERT ABSORBENT MATERIAL.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF SPILL RESIDUE IN ACCORDANCE W/LOCAL APPLICABLE REGULATIONS.

Handling And Storage Precautions:

OUTDOOR STORAGE FACILITIES SHOULD BE INSULATED & EQUIPPED W/HEATING EQUIPMENT TO MAINTAIN AMBIENT STORAGE TEMPERATURE.

Other Precautions:

KEEP AWAY FROM HEAT, SPARKS AND FLAMES. KEEP CONTAINERS CLOSED. USE W/ADEQUATE VENTILATION. AVOID BREATHING VAPOR AVOID PROLONGED/REPEATED CONTACT W/SKIN. WASH THOROUGHLY W/SOAP & WATER AFTER HANDING. 3

Fire and Explosion Hazard Information

Flash Point Method:

TCC

Flash Point:

Flash Point Text:

88-110 F

Autoignition Temp:

Autoignition Temp Text:

N/A

Lower Limits:

6.1

Upper Limits:

40.6

Extinguishing Media:

USE DRY CHEMICAL "ALCOHOL FOAM" OR CO2. WATER MAY BE INEFFECTIVE, BUT SHOULD BE USED/KEEP FIRE-EXPLODED CONTAINERS COOL.

Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA) & COMPLETE PERSONAL PROTECTIVE EQUIPMENT DILUTION OF TURNING LIQUID W/WATER SPRAY WILL REDUCE INTENSITY OF FLAMES

Unusual Fire/Explosion Hazard:

N/K

Physical/Chemical Properties

HCC:

NRC/State LC No:

Net Prop WT For Ammo:

4

Boiling Point:

B.P. Text:

SEE SUPP

Melt/Freeze Pt:

Melt/Freeze Pt:

Decomp Temp:

N/K

Decomp Text:

N/K

Vapor Pres:

81.5

Vapor Density:

1.08

Volatile Org Content %:

0.95

VOC Pounds/Gallon:

N/A

PH:

5.1

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

1.9

Solubility in Water:

PARTLY

Appearance and Odor:

RED LIQUID WITH A PUNGENT ODOR.

Percent Volatiles by Volume:

64

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

STRONG ALKALIES AND INORGANIC ACIDS.

Materials To Avoid:

STRONG OXIDIZING AGENTS.

Decomposition Products:

DECOMPOSITION OCCURS FROM HEAT & REACTION W/ THE MATL. LISTED. INCLUDED CO, CO2, HYDROGEN, FORMALDEHYDE GAS.

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: