

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-846/84605-29-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

84605-29-8

Code:

M

RTECS:

Code:

X

Name:

ZINC DIALKYLDITHIOPHOSPHATE

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

4 USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF TLV EXCEEDED. USE SCBA OR AIR-SUPPLIED RESPIRATOR IF LARGE SPILL OR IN CONFINED AREA. IF RESPIRATORY PROTECTION USED, FOLLOW 29 CFR 1910.134.

Ventilation:

USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:

NONE NORMALLY REQUIRED.

Eye Protection:

FACE-SHIELD/CHEMICAL GOGGLES

Other Protective Equipment:

Equipment NONE NORMALLY REQUIRED.

Work Hygienic Practices:

WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health:

USED GASOLINE MOTOR OILS HAVE BEEN SHOWN TO CAUSE SKIN CANCER WHEN REPEATEDLY APPLIED TO MOUSE SKIN WITHOUT ANY EFFORT TO REMOVE THE MATERIAL BETWEEN APPLICATIONS. THERE IS NO EVIDENCE OF A CAUSAL RELATIONSHIP BETWEEN SKIN CANCER IN HUMANS AND EXPOSURE TO USED MOTOR OIL.

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50 (RAT) IS > 5000 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE: INHALATION OF VERY HIGH CONCENTRATIONS OF MIST OR VAPOR MAY CAUSE RESPIRATORY TRACT IRRITATION AND CENTRAL NERVOUS SYSTEM DEPRESSION. MAY CAUSE MILD EYE IRRITATION ON CONTACT. SWALLOWING A LARGE AMOUNT MAY IRRITATE THE GI TRACT. CHRONIC: PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN IRRITATION.

Explanation Of Carcinogenicity:

SOME LAB TESTS ON ANIMALS HAVE SHOWN USED MOTOR OILS TO CAUSE SKIN CANCERS.

Signs And Symptoms Of Overexposure:

3 INHALATION: COUGHING, WHEEZING, SHORTNESS OF BREATH, NAUSEA, HEADACHE, DROWSINESS. EYES: REDNESS, DISCOMFORT.

SKIN: RASH, ITCHING. INGESTION: NAUSEA, VOMITING, DIARRHEA, ABDOMINAL DISCOMFORT.

Medical Cond Aggravated By Exposure:

PROLONGED AND REPEATED CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS.

First Aid:

INHALED: REMOVE PERSON TO FRESH AIR. GIVE RESPIRATORY SUPPORT IF NEEDED. GET MEDICAL HELP IF SYMPTOMS PERSIST. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER. SEE DOCTOR IF SYMPTOMS PERSIST. INGESTED: IF CONSCIOUS, GIVE 2 GLASSES OF WATER. GET MEDICAL ATTENTION.

Spill Release Procedures:

VENTILATE AREA. USE SCBA FOR CONFINED AREAS. CONTAIN SPILL. ABSORB WITH INERT MATERIAL AND PLACE IN A CONTAINER FOR LATER DISPOSAL. PREVENT ENTRY INTO SEWERS AND WATERWAYS.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:

MINIMUM HANDLING TEMPERATURES SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED.

Other Precautions:

AVOID CONTAMINATING WATERWAYS. AVOID BREATHING MIST OR VAPOR. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

Fire and Explosion Hazard Information

Flash Point Method:

COC

Flash Point:

Flash Point Text:

450F, 232C

Autoignition Temp:

Autoignition Temp Text:

N/K

Lower Limits:

UNKNOWN

Upper Limits:

UNKNOWN

Extinguishing Media:

WATER SPRAY, FOAM, DRY CHEMICAL, CARBON DIOXIDE. WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS AND BUNKER GEAR. USE WATER TO COOL FIRE EXPOSED CONTAINERS AND PERSONNEL. USE WATER SPRAY TO DISPERSE VAPORS.

Unusual Fire/Explosion Hazard:

NONE

Physical/Chemical Properties

HCC:

V6

NRC/State ITC No:

N/R

Net Prop WT For Ammo:

NO

Boiling Point:

B.P. Text:

UNKNOWN

Melt/Freeze Pt:

UNKNOWN

M.P./F.P. Text:

UNKNOWN

Decomp Temp:

NO

Decomp Text:

UNKNOWN

Vapor Pres:

UNKNOWN

Vapor Density:

UNKNOWN

Volatile Org Content %:

Spec Gravity:

0.80

VOC Pounds/Gallon:

NO

PH:

N/R

VOC Grams/Liter:

NO

Viscosity:

N/P

Evaporation Rate & Reference:

UNKNOWN

Solubility in Water:

UNKNOWN

Appearance and Odor:

PALE LIQUID

Percent Volatiles by Volume:

100

Corrosion Rate:

UNKNOWN

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

CONTACT WITH STRONG OXIDIZING AGENTS

Materials To Avoid:

STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:

OXIDES OF CARBON, ALDEHYDES, AND KETONES; COMBUSTION PRODUCTS OF NITROGEN, PHOSPHORUS, SULFUR, ZINC, OR CALCIUM

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NONE

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

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