

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-110/110-29-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
110-29-2
Code:
M
RTECS:
Code:
X
Name:
LUBRICANT ESTER BASE
Other REC Limits:
NONE RECOMMENDED
OSHA PEL:
NOT ESTABLISHED
Code:
M
OSHA STEL:
Code:
ACGIH TLV:
NOT ESTABLISHED
Code:
M
ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NOT NORMALLY REQUIRED 3
Ventilation:
SUFFICIENT TO MAINTAIN ATMOSPHERE BELOW TLV LIMIT.
Protective Gloves:
RECOMMENDED
Eye Protection:
REQUIRED
Other Protective Equipment:
Equipment CHEMICALLY RESISTANT BOOTS AND APRONS RECOMMENDED.
Work Hygienic Practices:
WASH HANDS AND FACE AFTER HANDLING MATERIAL. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. DISCARD CONTAMINATED FOOTWEAR.
Supplemental Safety and Health:
NONE

Health Hazards Data

LD50LC50Mixture:
PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED
Route Of Entry Inds - Inhalation:
NO
Skin:
NO
Ingestion:
NO
Carcinogenicity Inds - NTP:
NO
IARC:
NO
OSHA:
NO
Health Hazards Acute And Chronic:
NOT NORALLY EXPECTED TO CAUSE ANY ILL EFFECTS EXCEPT IN VERY SENSITIVE INDIVIDUALS. PROLONGED AND/OR REPEATED SKIN CONTACT MAY PRODUCE MILD SKIN IRRITATION AND INFLAMMATION.
Explanation Of Carcinogenicity:
MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE CARCINOGENIC. 2
Signs And Symptions Of Overexposure:
PROLONGED OR REPEATED EXPOSURE MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION.
Medical Cond Aggravated By Exposure:
PERSONNEL WITH PRE-EXISTING SKIN DISORDER SHOULD AVOID CONTACT.
First Aid:
IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION. EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. INHALED:REMOVE FROM EXPOSURE. AID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT IN DUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.
Spill Release Procedures:
S FLOW. WIPE OR MOP UP OR ABSORB WITH DIATOMACEOUS EARTH OR OTHER INERT MATERIAL. STORE IN APPROPRIATE CONTAINER FOR DISPOSAL.
Neutralizing Agent:
MFR GAVE NO INFORMATION ON MSDS.
Waste Disposal Methods:
DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
Handling And Storage Precautions:
AVOID STORAGE NEAR OPEN FLAME OR OTHER SOURCES OF IGNITION. EXCESSIVE MISTING MAY CAUSE SLIPPERY FLOORS. PROPER FOOTWEAR REQUIRED.
Other Precautions:
WASH OT TAKE SHOWER IF GENERAL CONTACT OCCURS. REMOVE OIL-SOAKED CLOTHING AND LAUNDER BEFORE REUSE. DISCARD CONTAMINATED LEATHER GLOVES AND SHOES.

Fire and Explosion Hazard Information

Flash Point Method:
COC
Flash Point:
Flash Point Text:
>392F,>200C
Autoignition Temp:
Autoignition Temp Text:
N/K
Lower Limits:
N/A
Upper Limits:
N/A
Extinguishing Media:
USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:
DO NOT ENTER ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE EQUIPMENT AND SELF CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:
SLIGHTLY COMBUSTIBLE. WHEN HEATED ABOVE FLASH POINT, WILL RELEASE FLAMMABLE VAPORS WHICH CAN BURN IN OPEN OR BE EXPLOSIVE IN CONFINED SPACES IF IGNITED.

Physical/Chemical Properties

HCC:
V6
NRC/State LIC No:
NONE
Net Prop WT For Ammo:
Boiling Point:
B.P. Text:
>599F,>315C
Melt/Freeze Pt:
M.P/F.P Text:
UNKNOWN
Decomp Temp:
Decomp Text:
UNKNOWN
Vapor Pres:
<0.01 MM
Vapor Density:
>1.0
Volatile Org Content %:
Spec Gravity:
0.853
VOC Pounds/Gallon:
PH: N/K
VOC Grams/Liter:
Viscosity:
UNKNOWN
Evaporation Rate & Reference:
Solubility in Water:
NEGLEGIBLE
Appearance and Odor:
RED OILY LIQUID, PETROLEUM ODOR.
Percent Volatiles by Volume:
NIL
Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES
Stability Condition To Avoid:
DO NOT HEAT ABOVE FLASH POINT.
Materials To Avoid:
STRONG OXIDIZING AGENTS
Hazardous Decomposition Products:
CARBON MONOXIDE AND ASPHYXIANTS
Hazardous Polymerization Indicator:
NO
Conditions To Avoid Polymerization:
NONE 4

Toxicological Information

Information:N/P

MSDS Transport Information

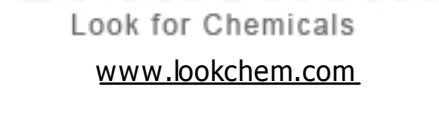
Information:N/P

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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WARRANTY

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