

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-132/13235-36-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
13235-36-4
Code:
M

RTECS:

Code:
X
Name:
ADDITIVE (CHELATING) (CONTAINING ING 6)

Other REC Limits:
N/K

OSHA PEL:
5 MG/M3 (MFR)
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
5 MG/M3 (MFR)
Code:
M

ACGIHSTEL:
N/P
Code:
2

Control Measures

Respiratory Protection:
WEAR NIOSH APPRVD RESP DESIGNED TO REMOVE COMBINATION OF PARTICULATES (DUST/SPRAY MIST) & VAP. WHEN BRUSHING, ROLLING/SPREADING SELECT APPROP RESP PROT FOR CNDTNS. FOR SPECIFIC CNDTNS, REFER TO CURREN T "NIOSH POCKET GUIDE TO CHEM HAZS". IN CONFINED/RESTRICTED VENT AREAS USE NIOSH APPRVD AIR-LINE RESPS/HOODS. REFER TO 29 CFR, OSHA PARTS 1910.134 & (SUPDAT)

Ventilation:
IMPLEMENT ADMIN & ENGINEERING CONTROLS TO REDUCE EXPOS. PROVIDE SUFFICIENT VENT IN VOL & PATTERN TO KEEP AIR CONTAM CONCS BELOW TLV LIMS. REMOVE (SUPDAT)

Protective Gloves:
IMPERVIOUS GLOVES (FP N).

Eye Protection:
ANSI APPRVD CHEM WORKERS GOGGS &FULLLGTH FSHLD(FP N).

Other Protective Equipment:
Equipment ANSI APPRVD EYE WASH FOUNTAIN &DELUGE SHOWER (FP N). DEPENDENT UPON APPLICATION METH WEAR RESIST COVERALLS &SHOE COVERINGS TO PVNT SKIN CONT. CONSULT 29 CFR 1910.134, 133, 136, 138; ANSI Z87.1, Z41. 4

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING &BEFORE EATING, SMOKING OR USING TOILET. LAUNDER CONTAMINATED CLOTHING BEFORE USE.

Supplemental Safety and Health:
RESP PROT: 1915 FOR COATING OPERATIONS; PART 1910.145 CONFINED SPACES; ANSI Z88.2, PRACTICES FOR RESP PROT. VENT: WELDING/FLAME CUTTING DECOMP PRODS; FOLLOW CURRENT ANSI Z49.1, "SFTY IN WELDING & CUTT ING". REFER TO 29 CFR PARTS 1910 & 1915, FOR COATING OPERATIONS; PART 1910.146, CONFINED SPACES.

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
VAP, SPRAY MIST/SPATTERED MATL IRRIT TO EYES, SKIN, NOSE & THROAT. EXCESSIVE/PRLNG INHAL CAN CAUSE HDCH, NAUS/DIZZ. SKIN:SEV IRRIT. SEV BURNS. CAN BE ABSORBED THRU SKIN. CAN CAUSE DEFAT & DRYING. INHA L:SEV IRRIT. LUNG INJURY. RESP SENSIT &ALLERGIC RXN SUCH AS ASTHMA. EYES:SEV IRRIT. CORNEAL INJURY. SEV BURNS. INGEST:CAN BE FATAL IF SWALLOWED. TARGET ORGANS:LUNGS, SKIN, EYES, STOMACH. WARNING:THIS PROD CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR

Explanation Of Carcinogenicity:
NOT RELEVANT

Signs And Symptoms Of Overexposure:
HLTH HAZ:SEV BURNS. INGEST:CAN BE FATAL IF SWALLOWED. TARGET ORGANS:LUNGS, SKIN, EYES, STOMACH. WARNING:THIS PROD CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Medical Cond Aggravated By Exposure:
SKIN, EYES, RESPIRATORY, LUNGS.

First Aid:
INHAL:REMOVE TO FRESH AIR. RESTORE NORMAL BRTHG. TREAT SYMPTOMATICALLY. SEE MD. SKIN:WASH THORO W/SOAP & WATER. REMOVE CONTAM CLTHG. CONSULT MD IF IRRIT PERSISTS. EYES:FLUSH IMMED W/PLENTY OF WATER FO R AT LST 15 MINS & GET MED ATTN. INGEST:DRINK 1-2 GLASSES OF WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO UNCON PERS. DO NOT INDUCE VOMIT. CONT MD/POIS CTL CTR IMMED. TREAT SYMPTOMATICALLY.

Spill Release Procedures:
KEEP OUT OF SEWERS & WATERWAYS. IF ENTRY IS THREATENED OR OCCURS, NOTIFY LOCAL AUTHORITIES.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
3 PLACE IN SEPARATE, APPROPRIATE, CLOSED CONTAINER I/A/W ALL APPLICABLE LOCAL, STATE & FEDERAL REGULATIONS. THIS MATERIAL HAS NOT BEEN TESTED BY TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP).

Handling And Storage Precautions:
KEEP CONTAINER CLOSED, UPRIGHT WHEN NOT IN USE. STORE IN COOL, DRY, WELL-VENTILATED AREA. AVOID PROLONGED STORAGE TEMPERATURES ABOVE 100F.

Other Precautions:
USE CAUTION WHEN POURING. AVOID BREATHING SANDING DUST. FOR INDUSTRIAL USE ONLY.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NOT APPLICABLE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:
USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). WATER MAY BE USED TO COOL CLSD CNTNRS TO PVNT PRESS BUILD-UP/EXPLO WHEN EXPOS TO EXTREME HEAT.

Unusual Fire/Explosion Hazard:
COMBUSTIBLE-CLASS IIIB. CLSD CNTNRS MAY EXPLODE WHEN EXPOS TO EXTREME HEAT & PRESS BUILDUP. WATER/FOAM MAY CAUSE FROTHING DUE TO GENERATION OF CARBON DIOXIDE.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
212F,100C

Melt/Freeze Pt:

M.P/F.P Text:
N/K

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
SEE INGS

Vapor Density:
HVR/AIR

Volatile Org Content %:

Spec Gravity:
1.02 (FP N)

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
NOT APPLICABLE

Solubility in Water:
NOT APPLICABLE

Appearance and Odor:
LIQUID; SOLVENT ODOR.

Percent Volatiles by Volume:
90.7

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HEAT, OPEN FLAME, ARC OR SPARKS. WATER OR MOISTURE.

Materials To Avoid:
STRONG OXIDIZERS, ACIDS, ALKALIES.

Hazardous Decomposition Products:
CO, CO*2, SO*X, HYDROGEN SULFIDE. TOXIC GASES OR FUMES. AMMONIA.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT

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

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

LookChem™
Look for Chemicals
www.lookchem.com

WARRANTY
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.