

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-338/3388-04-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
3388-04-3
Code:
M

RTECS:
VV4000000
Code:
M

Name:
ORGANO SILANE ESTER

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:
WHEN SPRAYING, APPLYING IN CONFINED AREAS, OR IN OTHER CIRCUMSTANCES LIKELY TO PRODUCE AIRBORNE LEVELS OF SOLVENT IN EXCESS OF TLV, USE AN ORGANIC VAPOR CARTRIDGE RESPIRATOR OR AIR SUPPLIED RESPIRATOR .

Ventilation:
GENERAL VENTILATION TO MAINTAIN VAPORS BELOW TLV.

Protective Gloves:
SOLVENT RESISTANT GLOVES. 4

Eye Protection:
CHEMICAL GOGGLES OR FULL FACE SHIELD

Other Protective Equipment:
Equipment NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:
WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BFORE REUSE.

Supplemental Safety and Health:
KEY1:F3. THIS ENTRY DESCRIBES THE "ADHESIVE PROMOTER", THE 3RD PART OF A THREE PART KIT. SEE THIS SAME NSN, P/N INDS' E AND F, FOR 1ST AND 2ND PARTS' DATA.

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:
ACUTE: EYES: IRRITATION. SKIN: IRRITATION, ALLERGIC RASH. INHALATION: NOSE AND THROAT IRRITATION. EXPOSURE ABOVE PEL MAY CAUSE HEADACHE, FATIGUE, CONFUSION, DIZZINESS, DROWSINESS, NUMBNESS, UNCONSCIOUSNESS. INGESTION: NAUSEA,VOMITING,LIVERAND KIDNEY DAMAGE. CHRONIC:PROLONGED EXPOSURE CAN CAUSE LIVER AND KIDNEY DAMAGE.

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
EYES: IRRITATION. SKIN: IRRITATION, ALLERGIC RASH. INHALATION: NOSE AND THROAT IRRITATION, HEADACHE, FATIGUE, CONFUSION, DIZZINESS, DROWSINESS, NUMBNESS, UNCONSCIOUSNESS. INGESTION: NAUSEA, VOMITING, LIVER AND KIDNEY DAMAGE.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, GET 3 MEDICAL ATTENTION. INHA LATION: MOVE TO FRESH AIR. IF SYMPTOMS ARE PRESENT, GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

Spill Release Procedures:
REMOVE ALL IGNITION SOURCES. WEAR AIR SUPPLIED RESPIRATOR FOR MAJOR UNVENTILATED SPILL. COVER WITH ABSORBENT. SCOOP INTO CONTAINERS. CLEAN-UP RESIDUE WITH A SUITABLE SOLVENT.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
EPA WASTE NO. D001 AND D035. DISPOSE OF SPILLAGE IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:
KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:
THIS PRODUCT CONTAINS A TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

Fire and Explosion Hazard Information

Flash Point Method:
PMCC

Flash Point:

Flash Point Text:
23.0F,-5.0C

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
1.8

Upper Limits:
11 (MEK)

Extinguishing Media:
CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.

Fire Fighting Procedures:
USE AIR SUPPLIED RESPIRATOR. USE WATER TO COOL HEAT EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:
HIGH TEMPERATURES MAY CAUSE PRESSURE BUILDUP IN CLOSED CONTAINERS.

Physical/Chemical Properties

HCC:
F2

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
>174F,>79C

Melt/Freeze Pt:

M.P/F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
70 (MEK)

Vapor Density:
>AIR

Volatile Org Content %:

Spec Gravity:
0.82

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
UNKNOWN

Solubility in Water:
APPRECIABLE

Appearance and Odor:
LIGHT AMBER LIQUID.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:
OXIDES OF CARBON AND NITROGEN.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
WILL NOT OCCUR.

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