

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-111/111-63-7.html> for suppliers of this product.

## Composition/Information on Ingredient

### Cas:

111-63-7

### Code:

M

### RTECS:

### Code:

X

### Name:

VINYL ESTER

### Other REC Limits:

N/K

### OSHA PEL:

NOT APPLICABLE

### Code:

M

### OSHA STEL:

### Code:

### ACGIH TLV:

NOT APPLICABLE

### Code:

M

### ACGIH STEL:

N/P

### Code:

## Control Measures

### Respiratory Protection:

NONE REQUIRED WHEN USED WITH ADEQUATE VENTILATION. NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

### Ventilation:

LOCAL EXHAUST. GOOD VENTILATION SHOULD BE USED.

### Protective Gloves:

NEOPRENE/VITON/POLYVINYL ALCOHOL GLOVES.

### Eye Protection:

CHEMICAL WORKERS GOGGLES (FP N).

### Other Protective Equipment:

Equipment NONE SPECIFIED BY MANUFACTURER.

### Work Hygienic Practices:

CONTACT LENSES SHOULD NOT BE WORN.

### Supplemental Safety and Health:

3 HLTH HAZ: ADRENOMIMETICS (E.G. EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS ACUTELY OR CHRONICALLY EXPOSED TO CHLOROCARBONS OR CFC'S (FP N). OTHER PREC: AND/OR UV RADIATION MAY CAUSE THE FORMATION OF HCL AND/OR PHOSGENE (FP N).

## Health Hazards Data

### LD50/LC50 Mixture:

NONE SPECIFIED BY MANUFACTURER.

### Route Of Entry Inds - Inhalation:

YES

### Skin:

NO

### Ingestion:

YES

### Carcinogenicity Inds - NTP:

NO

### IARC:

NO

### OSHA:

NO

### Health Hazards Acute And Chronic:

ACUTE: OVEREXP CAN CAUSE VOMIT, NAUS, DROWSINESS, UNCON. CHRONIC: PRNGD CONT MAY CAUSE SKIN IRRIT. HAS CAUSED TOX LIVER EFTS IN ANIMALS. CHLOROCARBON/CHLOROFUOROCARBON (CFC) MATERIALS HAVE PRODUCED SE NSITIZATION OF THE MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS AND COULD HAVE A SIMILAR EFT IN HUMANS. (SUPP DATA)

### Explanation Of Carcinogenicity:

NOT RELEVANT

### Signs And Symptoms Of Overexposure:

ANOXIA, DROWSINESS.

### Medical Cond Aggravated By Exposure:

SENSITIVE SKIN, ASTHMA, HEART CONDITIONS.

### First Aid:

EYE: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SKIN: WASH SKIN WITH SOAP AND WATER. INHAL: IF OVERCOME BY VAPORS, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. DO NOT ADMINISTER ADRENALIN. INGEST: IF INGESTED DO NOT INDUCE VOMITING. SEEK MED ASSISTANCE FOR FURTHER TREATMENT, OBSERVATIONS AND SUPPORT IF NECESSARY.

### Spill Release Procedures:

EVACUATE THE AREA, VENTILATE, AVOID BREATHING VAPORS, CONTAIN SPILL. CLEAN UP AREA (WEAR PROTECTIVE CLOTHING) BY MOPPING WITH ABSORBENT MATERIAL. TRANSFER TO CLOSED CONTAINER.

### Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

### Waste Disposal Methods:

RECOVERED LIQUIDS MAY BE SENT TO A LICENSED RECLAIMER OR INCINERATOR. ABSORBENT MATERIALS TO BE DISPOSED BY PERMITTED WASTE MANAGEMENT FACILITY. DISPOSE OF I/A/W 2 FEDERAL, STATE AND LOCAL REGULATIONS (FP N).

### Handling And Storage Precautions:

AVOID CONT W/SKIN AND AVOID BREATHING VAPORS FOR PROLONGED PERIODS. VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. PIPE VENTS OUTDOORS.

### Other Precautions:

CONT W/ALUMINUM PARTS IN PRESSURIZED FLUID SYS MAY CAUSE REACTION & FORMATION OF PHOSGENE &/DISCOLORATION OF MACHINE & PARTS.NO SMOKING IN AREA OF USE. DO NOT USE IN GEN VICINITY OF ARC WELDING, OPEN FLAMES/HOT SURFS. HEAT (SUPP DATA)

## Fire and Explosion Hazard Information

### Flash Point Method:

TCC

### Flash Point:

### Flash Point Text:

NONE

### Autoignition Temp:

### Autoignition Temp Text:

N/A

### Lower Limits:

7.5%

### Upper Limits:

15%

### Extinguishing Media:

WATER FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE.

### Fire Fighting Procedures:

WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). COOL UNINVOLVED CONTAINERS TO PREVENT POSSIBLE BURSTING.

### Unusual Fire/Explosion Hazard:

DECOMPOSITION MAY PRODUCE SMALL AMOUNTS OF HYDROGEN CHLORIDE AND/OR PHOSGENE. DO NOT USE IN PRESSURIZED SYSTEM.

## Physical/Chemical Properties

### HCC:

T4

### NRC/State LC No:

NONE

### Net Prop WT For Ammo:

NONE

### Boiling Point:

N/A

### B.P. Text:

>162F, >72C

### Melt/Freeze Pt:

N/A

### M.P/F.P Text:

N/A

### Decomp Temp:

N/A

### Decomp Text:

N/K

### Vapor Pressure:

100 @ 20C

### 100 @ 20C:

100 @ 20C

### 4.6

### Volatile Org Content %:

N/A

### Spec Gravity:

1.3 (20/20)

### VOC Pounds/Gallon:

N/A

### PH:

N/K

### VOC Grams/Liter:

N/A

### Viscosity:

N/P

### Evaporation Rate & Reference:

6 (BUTYL ACETATE=1)

### Solubility in Water:

0.07G/100G @ 25C-MOD

### Appearance and Odor:

COLORLESS CLEAR LIQUID; MILDLY CITRIC ODOR.

### Percent Volatiles by Volume:

N/K

### Corrosion Rate:

N/K

### OSHA:

NO

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## Toxicological Information

### Information:

N/P