

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-53/53-16-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
53-16-7
Code:
M

RTECS:

Code:
X

Name:
ESTRONE

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:
NONE REQUIRED UNDER NORMAL USE.

Ventilation:
NATURAL VENTILATION IS ADEQUATE.

Protective Gloves:
WEAR GLOVES 4

Eye Protection:
SAFETY GOGGLES

Other Protective Equipment:
Equipment WEAR REGULAR WORK CLOTHES, INCLUDING LONG-SLEEVED SHIRT TROUSERS.

Work Hygienic Practices:
USE NORMAL PERSONAL HYGIENE AND FOLLOW GOOD HOUSEKEEPING PRACTICES.

Supplemental Safety and Health:
THIS MEDICINE IS USED FOR ESTROGEN THERAPY, MINIMAL OCCUPATIONAL HAZARD IS INVOLVED.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT): 1230 MG/KG BENZYL ALCOH

Route Of Entry Inds - Inhalation:
NO

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
NO

Health Hazards Acute And Chronic:
INHALATION:IRRITATION. INGESTION: MAY CAUSE GASTRIC DISTRESS. SKIN:IRRITATION. EYE:IRRITATION. CHRONIC:NONE KNOWN.

Explanation Of Carcinogenicity:
ESTRONE IS LISTED BY NTP AS ANTICIPATED CARCINOGEN, AND BY IARC AS A PROBABLE CARCINOGEN.

Signs And Symptions Of Overexposure:
INHALATION/INGESTION-NAUSEA, VOMITING, DIARRHEA. EYE/SKIN-IRRITATION.

Medical Cond Aggravated By Exposure:
NONE KNOWN.

First Aid:
EYE-FLUSH PROMPTLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SKIN-WASH WITH SOAP & WATER; THEN FLUSH WITH WATER UNTIL CHEMICAL IS REMOVED. INGESTION-IF CONSCIOUS, IMMEDIATELY GIVE 2 TO 4 GLASSES O F WATER AND IMMEDIATELY GET MEDICAL HELP. INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

Spill Release Procedures:
WIPE OR ABSORB IN INERT MATERIAL AND PLACE IN A CONTAINER FOR DISPOSAL. FLUSH RESIDUE AWAY WITH WATER.

Neutralizing Agent:
NOT APPLICABLE

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. 3

Handling And Storage Precautions:
STORE IN COOL, VENTILATED, DRY AREA OF LOW FIRE RISK. KEEP CONTAINER TIGHTLY CLOSED. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:
KEEP OUT OF REACH OF CHILDREN.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/K

Autoignition Temp:

Autoignition Temp Text:
N/R

Lower Limits:
N/R

Upper Limits:
N/R

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

Fire Fighting Procedures:
WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:
COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K

Melt /Freeze Pt:

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

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
1.007

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/K

Evaporation Rate & Reference:
N/K

Solubility in Water:
N/K

Appearance and Odor:
LIQUID, ODORLESS.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN 5

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HIGH HEAT.

Materials To Avoid:
STRONG STRONG ACIDS AND ALKALIS.

Hazardous Decomposition Products:
OXIDES OF CARBON.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE KNOWN.

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