

# 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

**ACGIH STEL:**

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

**LD50/LC50 Mixture:**

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 Symptoms 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 OF 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:****Net Prop WT Text:**

N/R

**Boiling Point:****Boiling Point Text:**

N/K

**B.P. Text:**

N/K

**Melt/Freeze Pt:****Melt/Freeze Pt Text:**

N/R

**Decomp Temp:****Decomp Temp Text:**

UNKNOWN

**Vapor Pres:**

N/K

**Vapor Density:**

N/K

**Volatile Org Content %:****Volatile Org Content % Text:**

N/R

**Spec Gravity:**

1.007

**VOC Pounds/Gallon:****VOC Pounds/Gallon Text:**

N/R

**PH:**

N/K

**VOC Grams/Liter:****VOC Grams/Liter Text:**

N/R

**Viscosity:**

N/K

**Evaporation Rate & Reference:**

N/K

**Solubility in Water:**

N/K

**Appearance and Odor:**

LIQUID, ODORLESS.

**Percent Volatiles by Volume:****Percent Volatiles by Volume Text:**

N/R

**Corrosion Rate:****Corrosion Rate Text:**

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



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