

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-549/54965-24-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

54965-24-1

**Code:**

M

**RTECS:**

KH2387000

**Code:**

M

**Name:**

TAMOXIFEN CITRATE

**Other REC Limits:**

NOT ESTABLISHED

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

**OSHA STEL:****Code:****ACGIH TLV:**

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/MIST IF ABOVE PEL/TLV.

**Ventilation:**

LOCAL/GENERAL TO MAINTAIN PEL/TLV.

**Protective Gloves:**

IMPERVIOUS 4

**Eye Protection:**

SAFETY GLASSES/GOGGLES

**Other Protective Equipment:**

Equipment PROTECTIVE CLOTHINGS, EYE-WASH FACILITIEOUS CLOTHING

**Work Hygienic Practices:**

AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS/MIST/DUST.WASH THOROUGHLY AFTER EACH USE;DO NOT EAT,DRINK,SMOKE.

**Supplemental Safety and Health:**

SOURCE OF DATA - MIL HANDBOOK 600-1 SEP 76. SAFETY AND HEALTH DATA DEVELOPED BY DGSC-STF.

## Health Hazards Data

**LD50/LC50 Mixture:**

2.5 G/KG AS ACTIVE MATERIAL

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

NO

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

ACUTE: MILD IRRITATION OF EYES AND SKIN POSSIBLE IF IN THE FORM OF DUST. NO OTHER HEALTH EFFECTS ARE EXPECTED IF USED AS DIRECTED. HIGH DOSE LEVEL MAY CAUSE NAUSEA, VOMITING, AND IRREGULAR VAGINAL BLEEDING IN WOMEN. PER MSDS THERE WILL BE NO ACTUAL HAZARD OF THIS PRODUCT IN THE WORK PLACE IF USED AS DIRECTED.

**Explanation Of Carcinogenicity:**

DATA PER MANUFACTURER'S MSDS.

**Signs And Symptoms Of Overexposure:**

N/P

**Medical Cond Aggravated By Exposure:**

PRE-EXISTING CONDITIONS MAY BE WORSENED.

**First Aid:**

EYES AND SKIN: FLUSH WITH LARGE AMOUNTS OF WATER FOR ABOUT 15-20 MINUTES. SEEK MEDICAL ATTENTION IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR. CALL A PHYSICIAN. INGESTION: SEEK MEDICAL ATTENTION IMMEDIATELY.

**Spill Release Procedures:**

USE PROPER PERSONAL PROTECTION. SWEEP UP OR VACUUM AND COLLECT FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

**Neutralizing Agent:**

N/R

**Waste Disposal Methods:**

CONSULT LOCAL AUTHORITIES. DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**

3 STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE. PROTECT FROM HEAT AND LIGHT. AVOID CONTACT WITH EYES AND SKIN.

**Other Precautions:**

WASH THOROUGHLY AFTER EACH USE. WOMEN WHO ARE PREGNANT ARE RESTRICTED TO WORK IF DUST EXPOSURE IS MORE THAN 10 MG/M3. AVOID CREATION OF DUST.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:****Flash Point Text:**

NONE

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/K

**Upper Limits:**

N/K

**Extinguishing Media:**

USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

**Fire Fighting Procedures:**

USE NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRES. USE WATER SPRAY TO COOL NEARBY CONTAINERS.

**Unusual Fire/Explosion Hazard:**

CAN FORM EXPLOSIVE DUST CLOUDS IN AIR. SENSITIVE TO IGNITION BY ELECTROSTATIC DISCHARGE, AS DUST A CLOUD AND POWDER LAYER. RELEASES FLAMMABLE VAPORS ON HEATING.

## Physical/Chemical Properties

**HCC:**

K2

**NRC/State Lic No:**

N/R

**Net Prop WT For Ammo:**

N/P

**Boiling Point:**

N/R

**B.P. Text:**

N/R

**Melt/Freeze Pt:**

N/R

**M.P/F.P Text:**

UNKNOWN

**Decomp Temp:**

N/R

**Decomp Text:**

UNKNOWN

**Vapor Pres:**

N/R

**Vapor Density:**

N/R

**Volatile Org Content %:**

N/R

**Spec Gravity:**

UNKNOWN

**VOC Pounds/gallon:**

N/R

**PH:**

N/R

**VOC Grams/liter:**

N/R

**Viscosity:**

N/R

**Evaporation Rate & Reference:**

N/R

**Solubility in Water:**

NEGIGIBLE

**Appearance and Odor:**

WHITE TABLETS

**Odor:**

N/R

**Percent Volatiles by Volume:**

N/R

**Corrosion 5 Rate:**

UNKNOWN

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

HIGH TEMPERATURES

**Materials To Avoid:**

NONE SPECIFIED

**Hazardous Decomposition Products:**

CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN AND OTHER TOXIC VAPORS.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/R

## Toxicological Information

**Information:**

N/P

## MSDS Transport Information

**Information:**

N/P

## Regulatory Information

**Federal 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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