

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-598/59865-13-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

59865-13-3

**Code:**

M

**RTECS:****Code:**

X  
Name:  
CYCLOSPORINE, USP % low Wt: 25. Code: M % hi

**Other REC Limits:**

N/P

**OSHA PEL:**

N/P

**Code:****OSHA STEL:**

N/P

**Code:****ACGIH TLV:**

N/P

**Code:****ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

NOT REQUIRED UNDER NORMAL CONDITIONS OF THERAPEUTIC ADMINISTRATION AND USE.

**Ventilation:**

4 NOT REQUIRED UNDER NORMAL CONDITIONS OF THERAPEUTIC ADMINISTRATION AND USE.

**Protective Gloves:**

USE PROTECTIVE GLOVES IF THERE IS POTENTIAL FOR SKIN CONTACT.

**Eye Protection:**

USE SAFETY GLASSES IF THERE IS A POTENTIAL FOR SPLASHING.

**Other Protective Equipment:**

Equipment NONE

**Work Hygienic Practices:**

NONE

**Supplemental Safety and Health:**

PRODUCT CODE: NDC 0078-0240-15, 0078-0242-15, 0078-0241-15; ANTIBIOTIC S 7481F1, RAMIHYPHIN A.

## Health Hazards Data

**LD50LC50Mixture:**

LD50(RAT)=1480 MG/KG

**Route Of Entry Inds - Inhalation:**

N/P

**Skin:**

N/P

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

YES

**IARC:**

YES

**OSHA:**

N/P

**Health Hazards Acute And Chronic:**

TARGET ORGANS: PROLONGED OR REPEATED EXPOSURE MAY AFFECT THE IMMUNE SYSTEM, KIDNEYS, LIVER, CENTRAL NERVOUS SYSTEM, PANCREAS, AND CARDIOVASCULAR SYSTEM. FINISHED PHARMACEUTICAL PRODUCT. POTENTIAL FOR EXPOSURE IS REDUCED IN THIS FORM. SKIN/EYES/INHALATION/INGESTION: NO HAZARD IS EXPECTED FROM NORMAL CLINICAL USE.

**Explanation Of Carcinogenicity:**

AN INCREASED INCIDENCE OF MALIGNANCY IS A RECOGNIZED COMPLICATION OF IMMUNOSUPPRESSION IN RECIPIENTS OF ORGAN TRANSPLANTS. THE MOST COMMON FORMS OF NEOPLASMS ARE NON-HODGKIN'S LYMPHOMA AND CARCINOMA'S OF THE SKIN. THE RISK OF MALIGNANCIES IN CYCLOSPORINE RECIPIENTS IS HIGHER THAN IN NORMAL, HEALTH POPULATION.

**Signs And Symptoms Of Overexposure:**

THEAPEUTIC SIDE EFFECTS: RENAL DYSFUNCTION, TREMOR, HIRSUTISM, HYPERTENSION, GUM HYPERPLASIA, AND ANAPHYLACTIC REACTION. REPRODUCTIVE HAZARDS: EXPERIMENTAL REPRODUCTIVE EFFECTS. THERE ARE NO ADEQUATE & WELL-CONTROLLED STUDIES IN PREGANT WOMEN. NURSING SHOULD BE AVOIDED DURING THERAPEUTIC USE. MUTAGENICITY: CYCLOSPORINE WAS NOT MUTAGENIC IN SIX TEST SYSTEMS. A MORE RECENT STUDY INDICATED A POSITIVE EFFECT AT HIGH CONCENTRATIONS.

**Medical Cond Aggravated By Exposure:**

HYPERSensitivity TO CYCLOSPORINE.

**First Aid:**

SKIN: WASH CONTAMINATED AREA WITH SOAP AND WATER. EYE: FLUSH WITH RUNNING WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. INHALATION: NO SPECIFIC TREATMENT IS NECESSARY SINCE THIS PRODUCT IS NOT LIKELY TO BE HAZARDOUS BY INHALATION. INGESTION: GET MEDICAL ATTENTION IMMEDIATELY.

**Spill Release Procedures:**

USING APPROPRIATE PROTECTIVE EQUIPMENT, SWEEP UP AND CONTAINERIZE SPILLED MATERIAL. AVOID CONTAMINATION OF SEWERS AND WATERWAYS.

**Neutralizing Agent:**

3 N/P

**Waste Disposal Methods:**

ALL WASTES MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. (CONTACT LOCAL OR STATE ENVIRONMENTAL AGENCY FOR SPECIFIC RULES). EPA WASTE NO. D001.

**Handling And Storage Precautions:**

STORE BELOW 86F (30C) AWAY FROM LIGHT. PROTECT FROM LIGHT AND FREEZING. DO NOT USE IF SOLUTION IS DISCOLORED. AVOID DIRECT SUNLIGHT, SPARKS AND OPEN FLAME.

**Other Precautions:**

EMERGENCY OVERVIEW: FINISHED PHARMACEUTICAL PRODUCT. REFER TO PHYSICIANS DESK REFERENCE. AFFECTS THE IMMUNE SYSTEM. CAN CAUSE CANCER IN HUMANS.

## Fire and Explosion Hazard Information

**Flash Point Method:**

CC

**Flash Point:**

=26.7C, 80.F

**Flash Point Text:****Autoignition Temp:****Autoignition Temp Text:**

N/A

**Lower Limits:**

N/A

**Upper Limits:**

N/A

**Extinguishing Media:**

USE MEDIA SUITABLE FOR FIRE IN SURROUNDING AREA.

**Fire Fighting Procedures:**

EVACUATE AREA AND FIGHT FIRE FROM SAFE DISTANCE.

**Unusual Fire/Explosion Hazard:**

NOT AVAILABLE.

## Physical/Chemical Properties

**HCC:**

V1

**NRC/State LIC No:**

N/P

**Net Prop WT For Ammo:**

1480 MG/KG

**Boiling Point:****B.P. Text:**

N/A

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

N/A

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

N/A

**Decomp Text:****Vapor Pres:**

N/A

**Vapor Density:**

N/A

**Volatile Org Content %:****Spec Gravity:**

N/A

**VOC Pounds/Gallon:****PH:**

N/A

**VOC Grams/Liter:****Viscosity:**

N/A

**Evaporation Rate & Reference:**

N/P 5

**Water Solubility:**

WATER

**Appearance and Odor:**

PINK CORN-YELLOW, DUSTY ROSE GELATINE CAPSULE, OBLONG; MILD ODOR.

**Percent Volatiles by Volume:**

N/A

**Corrosion Rate:**

N/P

**Conditions To Avoid Polymerization:**

N/P

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

PROTECT FROM LIGHT AND TEMPERATURES EXCEEDING 86F (30C). PROTECT FROM FREEZING.

**Materials To Avoid:**

NONE KNOWN.

**Hazardous Decomposition Products:**

CARBON MONOXIDE, CARBON DIOXIDE AND NITROGEN OXIDES.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/P

## Toxicological Information

**Information:**

N/P

## MSDS/Transport Information

**Information:**

N/P

## Regulatory Information

**Sara Title III Information:**

N/P

**Federal Regulatory Information:**

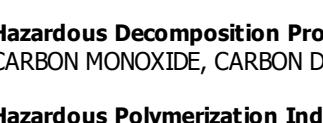
N/P

**State Regulatory Information:**

N/P

**Other Information:**

N/P



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