

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-50/50-18-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

50-18-0

**Code:**

M

**RTECS:**

RP5950000

**Code:**

M

**Name:**

CYCLOPHOSPHAMIDE (SARA III)

**Other REC Limits:**

NK

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

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

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

APPROVED TOXIC DUST MASK OR AEROSOL MASK(MFG)USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN(FP N)

**Ventilation:**

LOCAL:VERTICAL LAMINAR FLOW HOOD. HEPA FILTER TO OUTSIDE

**Protective Gloves:**

SYNTHETIC OR RUBBER GLOVES

**Eye Protection:**

SPLASH GOGGLES

**Other Protective Equipment:**

Equipment LONG SLEEVE,IMPERMEABLE DISPOSABLE GOWN WITH ELASTIC CUFFS.

**Work Hygienic Practices:**

OBSERVE GOOD HYGIENIC WORK PRACTICES(FP N)

**Supplemental Safety and Health:**

4 CARC:OSHA-SUSPECT CHEMICAL SOURCEBOOK FLOOR LIST

## Health Hazards Data

**LD50LC50Mixture:**

N/P

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

YES

**IARC:**

YES

**OSHA:**

YES

**Health Hazards Acute And Chronic:**

ACUTE:NAUSEA,VOMITING,LEUKOPENIA,HAIR LOSS. CHRONIC:LEUKOPENIA,HAIR LOSS,CYSTITIS. 2

**Explanation Of Carcinogenicity:**

NTP-LISTED AS KNOWN TO BE CARCINOGENIC.IARC-SUPPLEMENT 4 LISTED'SUFFICIENT EVIDENCE FOR CARCINICITY IN HUMANS (SUPP DATA)

**Signs And Symptoms Of Overexposure:**

NAUSEA,VOMITING,LEUKOPENIA HAIR LOSS.

**Medical Cond Aggravated By Exposure:**

UNDETERMINED

**First Aid:**

INHALE:SEEK MEDICAL ATTENTION EYE:IRRIGATE WITH COPIOUS AMOUNTS OF WATER OR PHYSIOLOGICAL SALINE FOR AT LEAST 15 MINUTES(FP N).SKIN:WASH WITH SOAP AND WATER.INGESTION:SEEK MEDICAL ATTENTION.

**Spill Release Procedures:**

WASH AREA WITH COPIOUS AMOUNTS OF WATER.

**Neutralizing Agent:**

N/P

**Waste Disposal Methods:**

MIX WITH SODIUM HYPOCHLORITE,DISPOSE IN ACCORDANCE WITH YOUR PROCEDURE FOR HAZARDOUS WASTE DISPOSAL TO MEET LOCAL,STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**

POTENT ANTI-CANCER DRUG,CAUTION IN THE HANDLING AND USE MUST BE EXERCISED,IF POWDER OR SOLUTION CONTACTS SKIN OR MUCOSAE,WASH THOROUGHLY W/SOAP & H<sup>2</sup>O

**Other Precautions:**

SEE PRODUCT INSERT FOR FURTHER INFORMATION

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P 3

**Flash Point:**

NA

**Flash Point Text:**

NA

**Autoignition Temp:**

NA

**Autoignition Temp Text:**

N/A

**Lower Limits:**

NONFLAMMABLE

**Upper Limits:**

NONFLAMMABLE

**Extinguishing Media:**

NA

**Fire Fighting Procedures:**

NA

**Unusual Fire/Explosion Hazard:**

WHEN HEATED TO DECOMPOSITION IT EMIT HIGHLY TOXIC FUMES OF OXIDES OF PHOSPHOROUS AND NITROGEN.

## Physical/Chemical Properties

**HCC:**

N1

**NRC/State LIC No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

NA

**Melt/Freeze Pt:**

NA

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

NA

**Decomp Temp:**

NA

**Decomp Text:**

N/A

**Vapor Pres:**

NA

**Vapor Density:**

NA

**Volatile Org Content %:**

NA

**Spec Gravity:**

NA

**VOC Pounds/Gallon:**

NA

**PH: N/P**

PH: N/P

**VOC Grams/Liter:**

NA

**Viscosity:**

NA

**Evaporation Rate & Reference:**

NA

**Solubility in Water:**

40g/L in Water

**Appearance and Odor:**

WHITE POWDER

**Percent Volatiles by Volume:**

N/P

**Corrosion Rate:**

N/P

## Reactivity Data

**Stability Indicator:**

NA

**Stability Condition To Avoid:**

NA

**Materials To Avoid:**

NA

**Hazardous Decomposition Products:**

NA

**Hazardous Polymerization Indicator:**

NA

**Conditions To Avoid Polymerization:**

NA

## Toxicological Information

**Information:**

N/P

## MSDS Transport Information

**Information:**

N/P

## Regulatory Information

**Regulatory Information:**

N/P

**Federal Regulatory Information:**

N/P

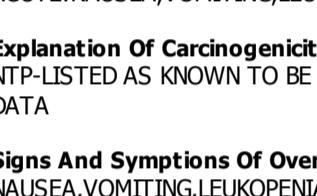
**State Regulatory Information:**

N/P

## Other Information

**Other Information:**

N/P



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