

ASTE WERKE-BIELEFELD, GERMANY -- CYCLOPHOSPHAMIDE USP -- 6505-00-733-5246
===== Product Identification =====

Product ID:CYCLOPHOSPHAMIDE USP
MSDS Date:11/08/1985
FSC:6505
NIIN:00-733-5246
MSDS Number: BFMSN
=== Responsible Party ===
Company Name:ASTE WERKE-BIELEFELD, GERMANY
Emergency Phone Num:614 221-5574
CAGE:00022
=== Contractor Identification ===
Company Name:ADRIA LABORATORIES INC.
Address:5
82 W. GOODALE ST.
Box:16529
City:COLUMBUS
State:OH
ZIP:43216
Country:US
CAGE:58750
Company Name:ASTE WERKE-BIELEFELD, GERMANY
Phone:614 221-5574
CAGE:00022

===== Composition/Information on Ingredients =====

Ingred Name:CYCLOPHOSPHAMIDE (SARA III)
CAS:50-18-0
RTECS #:RP5950000
Fraction by Wt: 69%
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carci

nogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ACUTE:NAUSEA,VOMITING,LEUKOPENIA,HAIR LOSS. CHRONIC:LEUKOPENIA,HAIR LOSS,CYSTITIS.

Explanation of Carcinogenicity:NTP-LISTED AS KNOWN TO BE CARCINOGENIC.IARC-SUPPLEMENT 4 LISTED"SUFFICIENT EVIDENCE FOR CARCINICITY IN HUMANS (SUPP DATA

Effects of Overexposure:NAUSEA,VOMITING,LEUKOPENIA HAIR LOSS.

Medical Cond Aggravated by Exposure:UNDETERMINED

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First Aid Measures

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

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Fire Fighting Measures

Flash Point:NA

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.

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Accidental Release Measures

Spill Release Procedures:WASH AREA WITH COPIOUS AMOUNTS OF WATER.

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Handling and Storage

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*2O

Other Precautions:SEE PRODUCT INSERT FOR FURTHER INFORMATION

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== Exposure Controls/Personal Protection =====

Respiratory Protection:APPROVED TOXIC DUST MASK OR AEROSOL MASK(MFG)USE
NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN
Ventilation:LOCAL:VERTICAL LAMINAR FLOW HOOD. HEPA FILTER TO OUTSIDE
Protective Gloves:SYNTHETIC OR RUBBER GLOVES
Eye Protection:SPLASH GOGGLES
Other Protective Equipment:LONG SLEEVE,IMPERMEABLE DISPOSABLE GOWN WITH
ELASTIC CUFFS.
Work Hygienic Practices:OBSERVE GOOD HYGIENIC WORK PRACTICES
Sup
plemental Safety and Health
CARC:OSHA-SUSPECT CHEMICAL SOURCEBOOK FLOOR LIST

===== Physical/Chemical Properties =====

HCC:N1
Boiling Pt:B.P. Text:NA
Melt/Freeze Pt:M.P/F.P Text:NA
Vapor Pres:NA
Vapor Density:NA
Spec Gravity:NA
Evaporation Rate & Reference:NA
Solubility in Water:40G/L
Appearance and Odor:WHITE POWDER

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
BENZYL ALCOHOL PRESERVED DILUENTS.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:OXIDES OF PHOSPHOROUS AND NITROGEN.
Conditions to Avoid Polymerization:WILL NOT OCCUR (MFG)

===== Disposal Considerations =====

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

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