

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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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

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Hazards Identification  
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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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