

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

582 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  
=====

Ingredient 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 Ca

rcinogenicity: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

=====  
===== 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.

=====  
===== 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 OXID  
ES OF PHOSPHOROUS AND NITROGEN.

=====  
===== Accidental Release Measures =====  
=====

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

=====  
===== 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

=====

===== 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  
Supplemental 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 DILUENT  
S.  
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.

Disclaimer (provided with this information by the compiling agencies):  
This information i

s formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.