

BETZDEARBORN INC -- IPA 411 -- 6850-01-446-9518

===== Product Identification =====

Product ID:IPA 411

MSDS Date:08/31/1999

FSC:6850

NIIN:01-446-9518

MSDS Number: CJXCS

=== Responsible Party ===

Company Name:BETZDEARBORN INC

Address:4838 SOMERTON ROAD

City:TREVOSE

State:PA

ZIP:19053

Country:US

Info Phone Num:215-355-3300

Emergency Phone Num:800-877-1940

Preparer's Name:NOT PROVIDED.

CAGE:24774

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Contractor Identification ===

Company Name:BETZ DEARBORN DIV OF HERCULES- DBA ARGO SCIENTIFIC INC

Address:185 BOSSTICK BLVD

Box:City:SAN MARCOS

State:CA

ZIP:92069

Country:US

Phone:619-727-2620

Contract Num:SP0450-00-M-D602

CAGE:0NTW1

Company Name:BETZDEARBORN INC.

Address:4636 SOMERTON ROAD

Box:City:TREVOSE

State:PA

ZIP:19053

Country:US

Phone:215-355-3300

CAGE:24774

Company Name:MEHRTRONICS INC

Address:134 E WILLIAMS AVE

Box:City:BARRINGTON

State:NJ

ZIP:08007

Country:US

Phone:856-672-0663

Contr

act Num:SP0450-00-M-D264
CAGE:01NQ2
Company Name:MEHRTRONICS INC
Address:134 E WILLIAMS AVE
Box:City:BARRINGTON
State:NJ
ZIP:08007
Country:US
Phone:856-672-0663
Contract Num:SP0450-00-M-D828
CAGE:01NQ2

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===== Composition/Information on Ingredients =====
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Ingred Name:NITRILOTRIACETIC ACID TRISODIUM SALT (NTA. 3NA)
CAS:5064-31-3
RTECS #:MB8400000
Fraction by Wt: UNKNOWN.
Other REC Limits:NOT PROVIDED.
OSHA PEL:NOT DETERMINED.
ACGIH TLV:NOT DETERMINED.

Ingred Name:SODIUM TRIPOLYP
HOSPHATE
CAS:7758-29-4
RTECS #:YK4570000
Fraction by Wt: UNKNOWN.
Other REC Limits:NOT PROVIDED.
OSHA PEL:NOT DETERMINED.
ACGIH TLV:NOT DETERMINED.
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT (EDTA.
4NA)
CAS:64-02-8
RTECS #:AH5075000
Fraction by Wt: UNKNOWN.
Other REC Limits:NOT PROVIDED.
OSHA PEL:NOT DETERMINED.
ACGIH TLV:NOT DETERMINED.

Ingred Name:CARBONIC ACID DISODIUM SALT, COMPD. WITH HYDROGEN PEROXIDE
(2:3)
CAS:15630-89-

Fraction by Wt: UNKNOWN.
Other REC Limits:NOT PROVIDED.
OSHA PEL:NOT DETERMINED.
ACGIH TLV:NOT DETERMINED.

Ingred Name:SODIUM CARBONATE
CAS:497-19-8
RTECS #:VZ4050000
Fraction by Wt: UNKNOWN.
Other REC Limits:NOT PROVIDED.
OSHA PEL:NOT DETERMINED.
ACGIH TLV:NOT DETERMINED.

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 1,600 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES
OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: PRODUCT OR PRODUCT
COMPONENT MAY INCREASE THE RISK OF CANCER BASED ON LIMITED ANIMAL
DATA. POTENTIAL HEALTH EFFECTS: ACUTE SKIN EFFECTS: PRIMARY ROUTE
OF EXPOSURE. MAY CAUSE SLIGHT IRRITATION TO THE SKIN. ACUTE EYE
EFFECTS: SEVERE IRRITATION TO THE EYES. ACUTE RESPIRATORY EFFECTS:
PRIMARY ROUTE OF EXPOSURE. DUSTS CAUSE IRRITATION TO THE UPPER
RESPIRATORY TRACT. INGESTION EFFECTS: MAY CAUSE GASTROINTESTINAL
IRRITATION.
Explanation of Carcinogenicity:INGREDIENT 1 POSSIBLE HUMAN CARCINOGEN
(IARC=2B; NTP=ANTICIPATED).
Effects of Overexposure:CAUSES IRRITATION OF THE SKIN, EYES, AND/OR
RESPIRATORY SYSTEM.
Medical Cond Aggravated by Exposure:NOT KNOWN.

===== First Aid Measures =====

First Aid:SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. GET
MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. EYE CONTACT:
REMOVE CONTACT LENSES. HOLD EYELIDS A

PART. IMMEDIATELY FLUSH EYES

WITH PLENTY OF LOW-PRESSURE WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. INHALATION: IF NASAL, THROAT OR LUNG IRRITATION DEVELOPS - REMOVE TO FRESH AIR AND GET MEDICAL ATTENTION. INGESTION: DO NOT FEED ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSIVE VICTIM. DO NOT INDUCE VOMITING. IMMEDIATELY CONTACT A PHYSICIAN. DILUTE CONTENTS OF STOMACH USING 3-4 GLASSES OF MILK OR WATER.

===== Fire Fighting Measures =====

Flash Point Method:PMCC
Flash Point:>93.3C, 200.F
Lower Limits:NOT PROVIDED
Upper Limits:NOT PROVIDED
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM OR WATER.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (FULL FACE-PIECE TYPE).
Unusual Fire/Explosion Hazard:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Spill Release Procedures:VENTILATE AREA. USE SPECIFIED PROTECTIVE EQUIPMENT. CONTAIN AND ABSORB ON ABSORBENT MATERIAL. PLACE IN WASTE DISPOSAL CONTAINER. FLUSH AREA WITH WATER. WET AREA MAY BE SLIPPERY. SPREAD SAND/GRIT.
Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP DRY. STORE BELOW 40C/104F AND AWAY FROM ACIDS AND OXIDIZERS. NORMAL CHEMICAL HANDLING.
Other Precautions:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Respiratory Protection:A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE. IF AIR-PURIFYING RESPIRATOR WITHIN USE LIMITATIONS ASSOCIATED WITH THE EQUIPMENT OR ELSE USE SUPPLIED AIR- RESPIRATOR WITH DUST/MIST FILTERS.
Ventilation:ADEQU

ATE VENTILATION.

Protective Gloves:NEOPRENE GLOVES-WASH OFF AFTER EACH USE. REPLACE AS NECESSARY.

Eye Protection:AIRTIGHT CHEMICAL GOGGLES.

Other Protective Equipment:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Work Hygienic Practices:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Supplemental Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

HCC:V5

Boiling Pt:B.P. Text:NOT AVAILABLE.

Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE.

Decomp Temp:Decomp Text:NOT PROVIDED.

Vapor Pres: