

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

Contra

ct 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 TRIPOLYPH  
OSPHATE  
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:15630-89-4

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 AP

ART. 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 WITH KNOWN LIMITATIONS ASSOCIATED WITH THE EQUIPMENT OR ELSE USE SUPPLIED AIR- RESPIRATOR WITH DUST/MIST FILTERS.  
Ventilation:ADEQUA

TE 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.

D

ecomp Temp:Decomp Text:NOT PROVIDED.

Vapor Pres: