

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

=====
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

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

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: