

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 6850
NIIN: 00N064608
Manufacturer's CAGE: 02687
Part No. Indicator: A
Part Number/Trade Name: AZ 1518 PHOTORESIST

=====

General Information

=====

Item Name:
Company's Name: HOECHST CELANESE
Company's Street: 70 MEISTER AVE
Company's P. O. Box: 3700
Company's City: SOMERVILLE
Company's State: NJ
Company's Country: US
Company's Zip Code: 08876-1258
Company's Emerg Ph #: 800-835-5235;800-424-9300(CHEMTREC)
Company's Info Ph #: 800-235-2637
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 04AUG89
Safety Data Review Date: 06OCT95
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: CBVXY
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code:
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

Report for NIIN: 00N064608

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

=====

Ingredients/Identity Information

```

=====
Proprietary: NO
Ingredient: ACETIC ACID, 2-METHOXY-1-METHYLETHYL ESTER; (PROPYLENE GLYCOL
MONOMETHYL ETHER ACETATE) LD50(ORAL,RAT):8.5 G/KG(ING 2)
Ingredient Sequence Number: 01
Percent: 70
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: AI8925000
CAS Number: 108-65-6
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Other Recommended Limit: N/K
-----

```

```

Proprietary: NO
Ingredient: ING 1:MALE, 10.0 G/KG FEMALE
Ingredient Sequence Number: 02
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Other Recommended Limit: N/K
-----

```

```

Proprietary: NO
Ingredient: CRESOL NOVOLAK RESIN
Ingredient Sequence Number: 03
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 1006077CN
CAS Number: 117520-84-0
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Other Recommended Limit: N/K
-----

```

```

Proprietary: NO
Ingredient: 2,1,5-DIAZONAPHTHAALOQUINONE SULFONIC ACID ESTERS WITH 2,3,4-
TRIHYDROXY BENZOPHENONE
Ingredient Sequence Number: 04
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 1006192DS
CAS Number: 68510-93-0

```

Report for NIIN: 00N064608

```

OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Other Recommended Limit: N/K

```

```

=====
Physical/Chemical Characteristics
=====

```

```

Appearance And Odor: AMBER TO DARK RED LIQUID, CHARACTERISTIC ODOR.
Boiling Point: 273F,134C
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): N/K
Vapor Density (Air=1): N/K

```

Specific Gravity: 1.06 (H*20=1)
 Decomposition Temperature: N/K
 Evaporation Rate And Ref: <ETHER
 Solubility In Water: FORMS TWO LAYERS
 Percent Volatiles By Volume: 70
 Viscosity:
 pH: N/K
 Radioactivity:
 Form (Radioactive Matl):
 Magnetism (Milligauss):
 Corrosion Rate (IPY): N/K
 Autoignition Temperature:

=====

Fire and Explosion Hazard Data

=====

Flash Point: 119F, 48C
 Flash Point Method: PMCC
 Lower Explosive Limit: N/K
 Upper Explosive Limit: N/K
 Extinguishing Media: CARBON DIOXIDE, WATER, ALCOHOL FOAM OR DRY CHEMICAL.
 Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA & FULL
 PROTECTIVE EQUIPMENT (FP N). USE WATER SPRAY TO COOL DRUMS IN FIRE AREA.
 Unusual Fire And Expl Hazrds: SOLVENT VAPORS. SEE HAZARDOUS INGREDIENTS
 AND HEALTH HAZARD INFORMATION. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

=====

Reactivity Data

=====

Stability: YES
 Cond To Avoid (Stability): AVOID CONTACT WITH OXIDIZING AGENTS, STRONG
 ACIDS AND ALKALINE MATERIALS.
 Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.
 Hazardous Decomp Products: THERMAL DECOMP MAY GENERATE CARBON DIOXIDE,
 CARBON MONOXIDE & OXIDES OF NITROGEN & SULFUR AS WELL AS VOLAT ORG
 RESIDUES.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT

=====

Health Hazard Data

=====

LD50-LC50 Mixture: SEE INGREDIENTS
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES

Report for NIIN: 00N064608

Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: PGMEA CAN CAUSE SKIN, EYE AND RESPIRATORY
 IRRITATION. EXTREME OR PROLONGED EXPOSURE MAY CAUSE GASTRIC AND CENTRAL
 NERVOUS SYSTEM EFFECTS. PGMEA IS READILY ABSORBED THROUGH INTACT SKIN.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT RELEVANT
 Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
 Med Cond Aggravated By Exp: PREEXISTING SKIN, EYE AND RESPIRATORY
 CONDITIONS MAY BE AGGRAVATED.
 Emergency/First Aid Proc: INHAL: REMOVE TO FRESH AIR. CONSULT MD IF IRRIT
 OCCURS. ADMIN OXYG IF THERE IS DIFFICULTY IN BREATHING. EYE: FLUSH THOROUGHLY W/ WATER
 FOR @ LST 15 MIN. GET IMMEDIATE MED HELP. SKIN: IMMEDIATELY REMOVE CONTAM CLOTHING & WASH
 AFFECTED AREA THOROUGHLY W/ SOAP & WATER. CONSULT MD IF EXPOSURE IS EXTENSIVE OR
 IRRITATION OCCURS. INGEST: IF CONSCIOUS, GIVE WATER OR MILK TO DILUTE STOMACH

CONTENTS. CONSULT MD.

=====

Precautions for Safe Handling and Use

=====

Steps If Matl Released/Spill: WEAR APPROP PERSONAL PROT EQUIP, CONTAIN SPILL, VENT AREA OF SPILL OR LEAK. REMOVE ALL SPARKING DEVICES OR IGNITION SOURCES. COLLECT ONTO INERT ABSORBENT. PLACE IN SUITABLE CONTAINER.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS (FP N). DISPOSE OF OR INCINERATE IN ACCORDANCE WITH REGULATIONS. LISTED AS A HAZARDOUS SUBSTANCE, AS DEFINED IN THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & LIABILITY ACT OF 1980.

Precautions-Handling/Storing: STORE @ 30-70F. KEEP AWAY FROM HEAT, SPKS & FLAME. STORE IN ORIGINAL CNTNR. TRANSPORT & STORE UNDER DRY CNDTNS TIGHTLY CLSD & PROT FROM LIGHT.

Other Precautions: PRESS MAY BUILD UP SLOWLY IN CLSD CNTNRS DUE TO GRADUAL DECOMP. THIS IS ACCELERATED BY HEAT & LIGHT W/POSS LIBERATION OF COMBUST SOLV VAPS. ING 4 MAY SUBLIME TO SURFS W/IN HEATING EQUIP UNDER CNDTNS OF HIGH TEMP, MIN VENTING & LG (SUP DAT)

=====

Control Measures

=====

Respiratory Protection: NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE RESPIRATOR RECOMMENDED FOR EXPOSURES EXCEEDING TLV.

Ventilation: USE LOCAL EXHAUST VENTILATION.

Protective Gloves: RUBBER GLOVES.

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (FP N).

Other Protective Equipment: ANSI APPROVED EMERGENCY EYE WASH AND DELUGE SHOWER (FP N). CLOTHING SUITABLE TO PREVENT SKIN CONTACT.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: OTHER PREC:THROUGHPUT. SUGGESTED CLEANUP IS W/AQUEOUS BASIC PHOTORESIST DEVELOPER FOLLOWED BY THORO RINSE. AVOID SKIN CONT/INHAL OF DUSTS & VAPS. ING 4 IS NOT LISTED AS HAZ WASTE. IT IS AN IRRIT & POSS MUTAGEN. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS CHEMICAL.

Report for NIIN: 00N064608

=====

Transportation Data

=====

Transportation Action Code:

Transportation Focal Point:

Trans Data Review Date:

DOT PSN Code:

DOT Symbol:

DOT Proper Shipping Name:

DOT Class:

DOT ID Number:

DOT Pack Group:

DOT Label:

DOT/DoD Exemption Number:

IMO PSN Code:

IMO Proper Shipping Name:

IMO Regulations Page Number:

IMO UN Number:

IMO UN Class:

IMO Subsidiary Risk Label:

IATA PSN Code:

IATA UN ID Number:

IATA Proper Shipping Name:

IATA UN Class:
 IATA Subsidiary Risk Class:
 IATA Label:
 AFI PSN Code:
 AFI Symbols:
 AFI Prop. Shipping Name:
 AFI Class:
 AFI ID Number:
 AFI Pack Group:
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data:

=====

Disposal Data

=====

Disposal Data Action Code:
 Disposal Data Focal Point:
 Disposal Data Review Date:
 Rec # For This Disp Entry:
 Tot Disp Entries Per NSN:
 Landfill Ban Item:
 Disposal Supplemental Data:
 1st EPA Haz Wst Code New:
 1st EPA Haz Wst Name New:
 1st EPA Haz Wst Char New:
 1st EPA Acute Hazard New:
 2nd EPA Haz Wst Code New:

Report for NIIN: 00N064608

2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:
 3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

=====

Label Data

=====

Label Required: YES
 Technical Review Date: 06OCT95
 Label Date:
 MFR Label Number:
 Label Status: G
 Common Name: AZ 1518 PHOTORESIST
 Chronic Hazard: NO
 Signal Word: WARNING!
 Acute Health Hazard-None:
 Acute Health Hazard-Slight:
 Acute Health Hazard-Moderate: X
 Acute Health Hazard-Severe:
 Contact Hazard-None:
 Contact Hazard-Slight: X
 Contact Hazard-Moderate:
 Contact Hazard-Severe:
 Fire Hazard-None:
 Fire Hazard-Slight:

Fire Hazard-Moderate: X
Fire Hazard-Severe:
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: COMBUSTIBLE. ACUTE:PGMEA CAN CAUSE SKIN, EYE
AND RESPIRATORY IRRITATION. EXTREME OR PROLONGED EXPOSURE MAY CAUSE GASTRIC
AND CENTRAL NERVOUS SYSTEM EFFECTS. PGMEA IS READILY ABSORBED THROUGH
INTACT SKIN. CHRONIC:NONE LISTED BY MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: HOECHST CELANESE
Label Street: 70 MEISTER AVE
Label P.O. Box: 3700
Label City: SOMERVILLE
Label State: NJ
Label Zip Code: 08876-1258
Label Country: US
Label Emergency Number: 800-835-5235;800-424-9300(CHEMTREC)
Year Procured: