

# AZ 5214-E PHOTORESIST

MATERIAL SAFETY DATA SHEET

NSN: 675000N014846

Manufacturer's CAGE: 02687

Part No. Indicator: B

Part Number/Trade Name: AZ 5214-E PHOTORESIST

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## General Information

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Company's Name: HOECHST CELANESE  
Company's Street: 50 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 #: 908-231-4944;800-424-9300 (CHEMTREC)  
Company's Info Ph #: 908-231-5445  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 002  
Status: SMJ  
Date MSDS Prepared: 20FEB90  
Safety Data Review Date: 25APR96  
MSDS Serial Number: BZZVV

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## Ingredients/Identity Information

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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 01  
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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 02  
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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 03  
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Proprietary: YES  
Ingredient: PROPRIETARY  
Ingredient Sequence Number: 04  
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## Physical/Chemical Characteristics

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Appearance And Odor: AMBER-RED LIQUID, WITH CHARACTERISTIC ODOR  
Boiling Point: >273F,>134C  
Specific Gravity: 1.03 (H\*2O=1)  
Evaporation Rate And Ref: SLOWER THAN ETHER  
Solubility In Water: FORMS TWO LAYERS

Percent Volatiles By Volume: 71

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Fire and Explosion Hazard Data

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Flash Point: 112F,44C

Flash Point Method: PMCC

Extinguishing Media: USE 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 INFORMATION. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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Reactivity Data

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Stability: YES

Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: AVOID CONTACT WITH OXIDIZING AGENTS.

Hazardous Decomp Products: THERMAL DECOMP MAY GENERATE CARBON DIOXIDE & MONOXIDE & OXIDES OF NITROGEN & SULFUR AS WELL AS VOLAT ORG RESIDUES.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT RELEVANT.

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Health Hazard Data

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LD50-LC50 Mixture: LD50 (ORAL RAT): 8.5 G/KG.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: NO

Health Haz Acute And Chronic: ACUTE: CAN CAUSE SKIN, EYE & RESP IRRIT. EXTREME/PROLONGED EXPOSURE MAY CAUSE GASTRIC & CNS EFFECTS. READILY ABSORBED THROUGH INTACT SKIN. CHRONIC: TOXICITY: IN A SINGLE REPORTED RABBIT STUDY THE MINOR ISOMER IN ING 1 PRESENT AT 2% GAVE A TERATOGENIC RESPONSE BY INHALATION AT (EFTS OF OVEREXPOSURE)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT.

Signs/Symptoms Of Overexp: HLTH HAZ: 535 PPM. ARCO CHEMICAL ADVISES THAT

CONSIDERING THE MANY NEGATIVE TOXICITY RESULTS ON PGMEA AND THE LOW ISOMER

LEVEL "...THE EFFECTS DESCRIBED IN THE ECTOC REPORT ARE NOT EXPECTED TO BE

OF CONCERN."

Med Cond Aggravated By Exp: PREEXISTING SKIN, EYE AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED.

Emergency/First Aid Proc: INHAL: REMOVE VICTIM TO FRESH AIR. CONSULT MD IF

IRRITATION OCCURS. ADMIN OXYGEN IF THERE IS DFCLTY IN BRTHG. EYES:  
FLUSH  
THORO W/WATER FOR AT LEAST 15 MIN. GET IMMED MED HELP. SKIN: IMMED  
REMOVE  
CONTAM CLTHG & WASH AFFECTED AREA THORO W/SOAP & WATER. CONSULT MD IF  
EXPOS  
IS EXTENSIVE/IRRIT OCCURS. INGEST: IF PERSON IS CONSCIOUS, GIVE  
WATER/MILK  
TO DILUTE STOM CONTENTS. CONSULT MD.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: WEARING APPROPRIATE PERSONAL PROTECTIVE  
EQUIPMENT, CONTAIN SPILL, VENTILATE 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: DISPOSE OF OR INCINERATE IN ACCORDANCE WITH  
REGULATIONS. LISTED AS A HAZARDOUS SUBSTANCE, AS DEFINED IN THE  
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT  
OF

1980. DISPOSE OF I/A/W STATE, LOCAL & FEDERAL REGULATIONS (FP N).

Precautions-Handling/Storing: STORE AT 30-70F. KEEP AWAY FROM HEAT,  
SPARKS

& FLAME. STORE IN ORIGINAL CONTR. TRANSPORT & STORE UNDER DRY CNDTNS  
TIGHTLY CLSD & PROT FROM LIGHT.

Other Precautions: PRESSURE MAY BUILD UP SLOWLY IN CLOSED CONTAINERS  
DUE

TO GRADUAL DECOMPOSITION. THIS IS ACCELERATED BY HEAT AND LIGHT WITH  
POSSIBLE LIBERATION OF COMBUSTIBLE SOLVENT VAPORS.

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Control Measures

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Respiratory Protection: NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE  
RESPIRATOR

RECOMMENDED FOR EXPOSURES EXCEEDING TLV. SEE SPECIAL PRECAUTIONS.

Ventilation: USE LOCAL EXHAUST VENTILATION.

Protective Gloves: RUBBER GLOVES.

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

Other Protective Equipment: EMERGENCY EYEWASH & DELUGE SHOWER MEETING  
ANSI

DESIGN CRITERIA (FP N). CLOTHING SUITABLE TO PREVENT SKIN CONTACT.

Work Hygienic Practices: CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING  
WITH THIS CHEMICAL.

Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

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Transportation Data

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Disposal Data

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Label Data

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Label Required: YES  
Technical Review Date: 25APR96  
Label Date: 25APR96  
Label Status: G  
Common Name: AZ 5214-E PHOTORESIST  
Chronic Hazard: YES  
Signal Word: WARNING!  
Acute Health Hazard-Moderate: X  
Contact Hazard-Moderate: X  
Fire Hazard-Moderate: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: COMBUSTIBLE. ACUTE: CAN CAUSE SKIN, EYE AND  
RESPIRATORY IRRITATION. EXTREME OR PROLONGED EXPOSURE MAY CAUSE GASTRIC  
AND  
CENTRAL NERVOUS SYSTEM EFFECTS. READILY ABSORBED THROUGH INTACT SKIN.  
CHRONIC: TOXICITY: IN A SINGLE REPORTED RABBIT STUDY THE MINOR ISOMER  
IN  
ING 1 PRESENT AT 2% GAVE A TERATOGENIC RESPONSE BY INHALATION AT 535  
PPM.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: HOECHST CELANESE  
Label Street: 50 MEISTER AVE  
Label P.O. Box: 3700  
Label City: SOMERVILLE  
Label State: NJ  
Label Zip Code: 08876-1258  
Label Country: US  
Label Emergency Number: 908-231-4944;800-424-9300 (CHEMTREC)