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: >273°F, >134°C
Specific Gravity: 1.03 (H*20=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: 112°F, 44°C
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 Hazards: 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.

Precautions for Safe Handling and Use

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.


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.

Control Measures

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.

Transportation Data
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)