

HEXCEL CORP/ CHEM PRODUCTS DIV -- EPOLITE 2353 HARDENER -- 8040-01-086-9701

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Product Identification
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Product ID:EPOLITE 2353 HARDENER

MSDS Date:08/09/1993

FSC:8040

NIIN:01-086-9701

MSDS Number: BHGRZ

=== Responsible Party ===

Company Name:HEXCEL CORP/ CHEM PRODUCTS DIV

Address:20701 NORDHOFF ST

Box:2197

City:CHATSWORTH

State:CA

ZIP:91311-5924

Country:US

Info Phone Num:818-882-3022

Emerg

ency Phone Num:818-882-3022/800-433-5072

Preparer's Name:DEIRDRE S CRUTCHFIELD

CAGE:FO631

==== Contractor Identification ====

Company Name:HEXCEL CORP/ CHEM PRODUCTS DIV

Address:20701 NORDHOFF ST

Box:2197

City:CHATSWORTH

State:CA

ZIP:91311-5924

Country:US

Phone:818-882-3022/800-367-7527

CAGE:FO631

Company Name:HEXCEL CORPORATION;CHEMICAL PRODUCTS DIVISION

Address:20701-NORDHOFF STREET

Box:2197

City:CHATSWORTH

State:CA

ZIP:91311-5924

Country:US

Phone:818-882-3022

CAGE:01490

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Composit

ion/Information on Ingredients =====

Ingred Name:4,4,'-DIAMINODIPHENYLMETHANE, 4,4-METHYLENE DIANILINE
(A2 NTP, IARC)
CAS:101-77-9
RTECS #:BY5425000
Fraction by Wt: 40-55%
Other REC Limits:0.1 PPM
ACGIH TLV:0.81 MG/CUM(SKIN) A2
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:FORMALDEHYDE, POLYMER W/BENZENAMINE
CAS:25214-70-4
RTECS #:TQ0600000
Fraction by Wt: 30-45%

Ingred Name:RESORCINOL, M-DIHYDROXYBENZENE
CAS:108-46-3
RTECS #:UG9625000
Fraction by Wt: 2-10%
Other REC Limits
:10 PPM
OSHA PEL:10 PPM
ACGIH TLV:45 MG/CUM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT): 250-347 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYES: CORROSIVE. SKIN: HARMFUL
ABSORPTION, ALLERGIC REACTIONS (DERMATITIS). CHRONIC EXPOSURE MAY
DAMAGE THE LIVER, KIDNEYS, BLOOD, SPLEEN,
THYROID, & EYES. TOXIC TO
LIVER. HARMFUL IF INHALED OR INGEST ED.
Explanation of Carcinogenicity:SEE INGREDIENTS (4,4' METHYLENE
DIANILINE MDA!)
Effects of Overexposure:EYES: IRRITATION. SKIN: STAIN, IRRITATION.
INHALATION: IRRITATION TO RESPIRATORY TRACT, MUCOUS MEMBRANES,
FEVER, CHILLS, LOSS OF APPETITE, VOMITING, JAUNDICE.
Medical Cond Aggravated by Exposure:EYE, SKIN, & RESPIRATORY DISORDERS,
AILMENTS OF MUCOUS MEMBRANES & THYROID.

===== First Aid Mea

suers =====

First Aid:EYES: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS, KEEPING THE EYELIDS OPEN ALL THE TIME. SKIN: IMMEDIATELY WASH W/SOAP & PLENTY OF WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE/DESTROY CONTAMINATED SHOES. INHALATION: REMOVE TO FRESH AIR. IF NECESSARY, GIVE CPR, OXYGEN. (PREFERABLY MOUTH-TO-MOUTH). INGESTION: DON'T INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

===== Fire Fighting Measures =====
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Flash Point Method:PMCC

Flash Point:450F

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CO2

Fire Fighting Procedures:USE WATER TO KEEP CONTAINERS COOL. WEAR SELF-CONTAINED, POSITIVE-PRESSURE BREATHING APPARATUS.

===== Accidental Release Measures =====

Spill Release Procedures:CONTAIN W/SUITABLE DIKING MATERIAL. WEAR PROTECTIVE EQUIPMENT (IMPERMEABLE BOOTS). VENTILATE AREA. KEEP UNNECESSARY PEOPLE AWAY. ABSORB IN SAWDUST/SAND/OTHER ABSORBENT. PLACE INTO OPEN-TOPPED CONTAINERS/COVER LOOSELY. STORE FOR 12 HRS BEFORE SEALING.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID CONTACT W/EYES/SKIN/CLOTHING. AVOID BREATHING VAPOR. KEEP CONTAINER CLOSED. AVOID MOISTURE CONTAMINATION. KEEP AWAY FROM FOOD.

Other Precautions:STORE IN COOL, WELL VENTILATED AREA IN TIGHTLY CLOSED CONTAINER. DON'T USE PRODUCT IN POORLY VENTILATED AREA.

===== Exposure Controls

/Personal Protection =====

Respiratory Protection:10 X PEL: HALF-MASK W/ORGANIC VAPOR/HEPA CARTRIDGE. 50 TIMES PEL: FULL FACEPIECE W/HEPA CARTRIDGE OR CANISTER. 1000 X PEL: FULL FACEPIECE POWERED AIR-PURIFYING RESPIRATOR W/HEPA CARTRIDGES. UNKNOWN LEVELS: SCBA IN POSITIVE PRESSURE MODE.

Ventilation:EXHAUST: TO KEEP AIRBORNE LEVELS BELOW OSHA LIMITS.

Protective Gloves:LATEX

Eye Protection:CHEMICAL SPLASH-PROOF GOGGLE/FACE SHIELD

Other Protective Equipment:VAPOR RESISTANT

T GOGGLES IF CONTACT LENSES
ARE WORN, BOOTS, APRON OR FULL-BODY SUIT, J-SPLASH
GOGGLES/SYNTHETIC APRON

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. WASH BEFORE
EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. SHOWER IF
NECESSARY.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IN ALL CASES, A PHYSICIAN SHOULD BE CONSULTED.
PEOPLE EXPOSED TO MDA, WILL PROBABLY NEED MEDICAL SURVEILLANCE. ANY
EMPLOYEE WHO HAS BEEN EXPOSED TO MDA AT OR ABOVE 5 PPB LEVEL FOR

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0 OR MORE DAYS A YEAR, HAS DERMAL EXPOSURE TO MDA FOR 15 OR MORE
DAYS A YEAR, OR DERMAL EXPOSURE SIGNS, MUST SEE DOCTOR.

===== Physical/Chemical Properties =====

Spec Gravity:1.05

Appearance and Odor:DARK BROWN LIQUID W/AMINE ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, WATER, ALCOHOLS, STRONG BASES, METAL COMPOUNDS OR
SURFACE ACTIVE MATERIALS

Stability Condi

tion to Avoid:HEAT, SPARKS, OPEN FLAMES, MOISTURE

Hazardous Decomposition Products:CO₂, CO, NITROGEN OXIDES, & ANILINE

===== Disposal Considerations =====

Waste Disposal Methods:POISONOUS LIQUID. UN2810. CONTROLLED
INCINERATION OR BURIED LANDFILL DISPOSAL SHOULD BE IN ACCORDANCE
W/ALL FEDERAL, STATE, & LOCAL ENVIRONMENTAL REGULATIONS.

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