

CIBA-GEIGY CORPORATION, COMPOSITE MATERIALS -- R382/4 -- 8040-01-322-7271  
===== Product Identification =====

Product ID:R382/4  
MSDS Date:03/21/1989  
FSC:8040  
NIIN:01-322-7271  
MSDS Number: BVVGB  
=== Responsible Party ===  
Company Name:CIBA-GEIGY CORPORATION, COMPOSITE MATERIALS  
Address:5115 EAST LAPALMA AVENUE  
City:ANAHEIM  
State:CA  
ZIP:92807-2018  
Country:US  
Info Phone Num:714-779-9000  
Emergency Phon  
e Num:714-779-9000  
CAGE:30137  
=== Contractor Identification ===  
Company Name:CIBA-GEIGY CORPORATION, COMPOSITE MATERIALS  
Address:5115 EAST LAPALMA AVENUE  
Box:City:ANAHEIM  
State:CA  
ZIP:92807-2018  
Country:US  
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===== Composition/Information on Ingredients =====

Ingred Name:TRADE SECRET; (BUTADIENE ACRYLONITRILE COPOLYMER)

Ingred Name:TRADE SECRET; (BISPHENOL A EPOXY RESIN)

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

Routes

of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE:IRRITATION. SKIN:IRRITATION.  
INHALED:RESPIRATORY IRRITANT. SENSITIZATION:SENSITIZER. ACUTE  
OVEREXPOSURE:IRRITATION, SENSITIZATION AND DERMATITIS. CHRONIC  
OVEREXPOSURE:NO IDENTIFIED HEALTH EFFECTS .  
Explanation of Carcinogenicity:MANUFACTURER GAVE NO COMMENTS OTHER THAN  
THE ABOVE REFERENCES TO THE THREE LISTINGS FOR EACH OF THE NAMED  
INGREDI  
ENTS.  
Effects of Overexposure:EYE:IRRITATION. SKIN:IRRITATION, SENSITIZATION.  
INHALED:RESPIRATORY IRRITANT. IRRITATION, SENSITIZATION AND  
DERMATITIS.  
Medical Cond Aggravated by Exposure:SKIN AND EYE CONDITIONS.

===== First Aid Measures =====

First Aid:EYE:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MIN. GET  
MEDICAL ATTN. SKIN:WASH WITH SOAP & WATER. ANY MATERIAL ADHERING TO  
SKIN SHOULD BE REMOVED WITH RESIN REMOVING CREAMS. \*DO NOT USE  
SOLVENTS\* I NGESTED:IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER.  
GET MEDICAL ATTN. INHALED:REMOVE TO FRESH AIR. CALL PHYSICIAN.  
REMOVE AND WASH CONTAMINATED CLOTHING PRIOR TO REUSE.

===== Fire Fighting Measures =====

Flash Point:NOT DETERMINED  
Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY.  
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS. COOL  
FIRE EXPOSED CONTAINERS W/WATER. IN CASE OF LARGE FIRES ALSO COOL  
SURROUNDING EQUIPMENT & STRUSCTURES W/WATER  
Unusual Fire/Explosion Hazard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY  
BE TOXIC.

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

Spill Release Procedures:COLLECT AND PLACE INTO CLOSABLE CONTAINER FOR  
DISPOSAL. WEAR PROTECTIVE EQUIPMENT.  
Neutralizing Agent:NO INFORMATION GIVEN BY MFR ON MSDS.

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

Handling and Storage Precautions:I/A/W GOOD INDUSTRIAL PRAC

TICE, HANDLE

W/CARE & AVOID PERSONAL CONTACT. USE W/GOOD VENTTILATION. WASH HANDS/FACE THOROUGHLY BEFORE EAT/DRINK/SMOKE.

Other Precautions:DO NOT ALLOW EATING,DRINKING OR SMOKING IN THE WORKPLACE. STORE MATERIALS IN CLOSED CONTAINERS IN A COOL DRY PLACE. STORE AWAY FROM FOOD, AND FOOD CONTAINERS. FOR MANUFACTURING USE ONLY.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR WH

EN VAPOR/MIST EXPOSURE IS LIKELY.

Ventilation:WORK IN WELL VENTILATED AREAS.

Protective Gloves:WORK GLOVES RECOMMENDED.

Eye Protection:SPLASH PROOF GOGGLES

Other Protective Equipment:WEAR PROTECTIVE CLOTHING. APPLY BARRIER CREAM FOR PROTECTION OF EXPOSED SKIN.

Work Hygienic Practices:MFR: ? HMIS:USE STRICT CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY EXPOSURE. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

MSDS ENTERED INTO THE HMIS BY DGSC AT REQUEST OF GS

A.

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

HCC:N1

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:140F,60C

Spec Gravity:1.2

Solubility in Water:INSOLUBLE

Appearance and Odor:LIGHT YELLOW FILM, SLIGHT ODOR.

Percent Volatiles by Volume: