

===== Product Identification =====

Product ID:A-271 EPOXY ADHESIVE RESIN, PART A

MSDS Date:12/13/1994

FSC:8040

NIIN:01-239-6827

Status Code:A

MSDS Number: CKQQY

=== Responsible Party ===

Company Name:ARMSTRONG PRODUCTS DIVISION

Address:28 NORFOLK AVE

City:S EASTON

State:MA

ZIP:02375

Country:US

Info Phone Num:508-230-8070

Emergency Phone Num:1-508-230-8070

CAGE:0JVBX9

=== Contr

actor Identification ===

Company Name:RESIN TECHNOLOGY GROUP INC

Address:28 NORFOLK AVE

Box:City:S EASTON

State:MA

ZIP:02375

Country:US

Phone:508-230-8070

CAGE:0JVBX9

===== Composition/Information on Ingredients =====

Ingred Name:BISPHENOL A-EPICHLOROHYDRIN RESIN

CAS:25068-38-6

RTECS #:CE6880000

= Wt:90.

= Vol:100.

Ingred Name:ORGANOSILANE ESTER TWA5PPM,15MIN.EXC.VAL.-10PPM

RTECS #:OS1001031

Minumum % Wt:1.

Maxumum % Wt:5.

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

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Health Hazards Acute and Chronic:BISPHENOL A/EPICHLOROHYDRIN RESIN:
MODERATELY IRRITATING TO EYES AND SKIN. MAY CAUSE SKIN
SENSITIZATION.ORGANOSILANE ESTER: CAUSES SEVERE EYE IRRITATION,
CORNEAL INJURY IS POSSIBLE. PROLONGED (SEV ERAL HOURS) OR REPEATED
SKIN CONTACT CAUSES MODERATE IRRITATION. CAN BE ABSORBED THROUGH
THE SKIN. MISTS ARE IRRITATING TO THE UPPER RESPIRATORY TRACT AND
MUCOUS MEMBRANES. INGESTION CAUSES SEVERE IRRITATION TO THE MOUTH
THROAT, AND GASTROINTESTINAL TRACT.

Effects of Overexposure:EYE: MODERATE IRRITATION. FOLLOWING EYE
CONTACT, CORNEAL OPACIFICATION AND POSSIBLE VASCULARIZATION CAN
OCCUR. THE SEVERITY OF DAMAGE DEPENDS ON THE DURATION OF EXPOSURE
AND ON THE FIRST AID PROCEDU RES ADMINISTERED. SKIN: MODERATE
IRRITATION. CAN CAUSE THE DEVELOPMENT OF HYPERSENSITIVITY IN
SUSCEPTIBLE INDIVIDUALS. INHALATION: IRRITATION TO THE NOSE,
THROAT, AND UPPER RESPIRATORY TRACT. INGESTION:

GASTROINTESTINAL IRRITATION. OTHER: DEPENDING ON THE ROUTE,
FREQUENCY, AND DURATION OF EXPOSURE THE FOLLOWING ORGANS AND/OR
SYSTEMS MAY BE ADVERSELY EFFECTED: THE EYES, SKIN AND THE IMMUN E
SYSTEM (ALLERGIC REACTIONS).

Medical Cond Aggravated by Exposure:SOME COMPONENTS MAY AGGRAVATE
EXISTING MEDICAL CONDITIONS INVOLVING SKIN, RESPIRATORY SYSTEM, THE
IMMUNE SYSTEM AND/OR SPECIFIC CHEMICAL ALLERGIES.

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

First Aid:EYES:FLUSH W/STEADY STREAM OF WATER 15 MINUTES.OBTAIN PROMPT
MEDICAL ATTENTION. SKIN:WASH W/SOAP&PLENTY OF WATER.REMOVE
CONTAMINATED CLOTHING.LAUNDER CLOTHES BEFORE
REUSING.DESTROY/THOROUGHLY CLEAN SHOES BEFORE REUSING.OBTAIN
MEDICAL ATTENTION.INHALATION:IF VAPOR IS INHALED,REMOVE TO FRESH
AIR.ADMINISTER OXYGEN IF THERE IS DIFFICULTY BREATHING.GIVE
ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPE D.OBTAIN MEDICAL
ATTENTION W/O DELAY.INGESTION:CALL A POISON

CONTROL

CENTER,EMERGENCY ROOM,/PHYSICIAN,UNLESS ADVISED OTHERWISE.INDUCE
VOMITING BY GIVING EITHER SYRUP OF IPECAC FOLLOWED BY 2 GLASSES OF
WATER/BY STICKING FINGER DOWN THROAT.

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

Flash Point Method:TCC
Flash Point:=93.3C, 200.F
200F

Extinguishing Media:SEE FIRE FIGHTING PROCEDURES.

Fire Fighting Procedures:FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO
PRODUCTS OF COMBUSTION SHOULD WEAR NIOSH APPROVED POSITIV

E PRESSURE

SCBA AND FULL PROTECTIVE CLOTHING. SMALL FIRES: USE WATER (SPRAY, FOG OR IN SOME INSTANCES STREAM), FOAM DRY CHEMICAL OR CARBON DIOXIDE. LARGE FIRES: USE WATER (SPRAY OR FOG) OR STANDARD FOAM.

Unusual Fire/Explosion Hazard:MAY LIBERATE IRRITATING VAPORS DURING COMBUSTION OR DECOMPOSITION.

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

Spill Release Procedures:VENTILATE AREA IF NECESSARY,EVACUATE IF AIRBORNE LEVELS COULD EXCEED ESTABLISHED LIMITS.CONTAIN SPILL USING A DIKE/BARRIER.IF SUBSTANTIAL QUANTITIY IS SPILLED&CAN BE PUMPED,RECOVER W/PUMPING EQUIPMENT /VACUUM TRUCK.OTHERWISE,COVER SPILL W/INERT ABSORBENT SUCH AS FULLERS EARTH,CLAY/OTHER APPROPRIATE ABSORBENT.PLACE MATERIAL IN SUITABLE CONTAINER FOR FURTHER HANDLING&DISPOSAL.*

Neutralizing Agent:*OBSERVE ALL FEDERAL, STATE,&LOCAL REPORTING REGULATIONS REGARDING MATERIAL RELEASE/SPILLS.

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

Handling and Storage Precautions:STORE IN A COOL, DRY WELL VENTILATED AREA. DO NOT STORE ABOVE 120' F. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. HEATING CAN GENERATE VAPORS, USE APPROPRIATE VENTILATION OR APPROVED RESPIRATORS A S NECESSARY.

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

Respiratory Protection:WHERE EXPOSEURE EXCEEDS ESTABLISHED AIRBORNE LIMITS, USE A NIOSH APPROVED RESPIRATOR, OR A SELF-CONTAINED BREATHING APPARATUS, OR A SUPPLIED AIR RESPIRATOR AS NECESSARY TO CONTROL EXPOSURE

Ventilation:GENERAL VENTILATION MAY BE ACCEPTABLE, HOWEVER, ENCLOSED AND LOCAL EXHAUST MAY BE REQUIRED TO CONTROL EXPOSURE WHEN GENERATING VAPORS OR MISTS.

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:WEAR CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:AN EYE WASH FACILITY SHOULD BE READILY AVAILABLE.

Supplemental Safety and Health
MAINTAIN AIRBORNE CONCENTRATIONS BELOW TH

E ESTABLISHED EXPOSURE LIMITS.

GENERAL VENTILATION MAY BE ACCEPTABLE, HOWEVER, ENCLOSED AND LOCAL EXHAUST MAY BE REQUIRED TO CONTROL EXPOSURE WHEN GENERATING VAPORS OR MISTS.

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

Boiling Pt:=260.C, 500.F

B.P. Text:500F

Spec Gravity:1.17

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER VISCOUS LIQUID/ MILD ODOR.

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

Stability Indicator/Materials

to Avoid:YES

AMINES, MERCAPTANS, OXIDIZING AGENTS, ACIDS, STRONG BASES, AMMONIA

Stability Condition to Avoid:AVOID CONTACT WITH INCOMPATIBLE CHEMICALS.

Hazardous Decomposition Products:PHENOLICS, SMOKE, SOOT, CARBON DIOXIDE, CARBON MONOXIDE AND METALLIC OXIDES.

===== Toxicological Information =====

Toxicological Information:BISPHENOL A/EPICHLOROHYDRIN RESIN: SEE OTHER INFORMATION. LD50 ACUTE ORAL RAT: 11,400 MG/KG LD50

ACUTE ORAL MOUSE: 15

,600 MG/KG LD50 ACUTE DERMAL RABBIT:

>20,000MG/KG ORGANOSILANE ESTER: SEE OTHER INFORMATION.

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

Waste Disposal Methods:DISPOSAL MUST BE MADE IN ACCORDANCE WITH APPLICABLE GOVERNMENTAL REGULATIONS.

===== Regulatory Information =====

SARA Title III Information:SECTION 311/ 312 - HAZARD CATEGORIES:

PURSUANT TO SECTION 311/312 OF SARA TITLE III, THE PHYSICAL AND HEALTH HAZARD

CATEGORIES FOR THIS PRODUCT ARE IDENTIFIED AS
FOLLOWED: FIRE HAZARD- NO; SUDDEN PRESSURE HAZARD- NO; REACTIVITY
HAZARD- NO; IMMEDIATE HEALTH HAZARD- YES; DELAYED HEALTH HAZARD- NO
State Regulatory Information: CALIFORNIA PROPOSITION 65: THIS PRODUCT
CONTAINS THE FOLLOWING SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA
TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM:
EPOCHLOROHYDRIN PENNSYLVANIA : ALL OF THE MATERIALS IN THIS
PRODUCT REQUIRING IDENTIFICATION BY THE COMMONWEALTH OF
PENNSYLVANIA ARE LISTED IN SECTION 2. SOME OF THESE MATERIALS MAY
HAVE BEEN PLACED BY THE COMMONWEALTH OF PENNSYLVANIA ON THEIR
HAZARDOUS SUBSTANCE LIST.

===== Other Information =====

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