

ARMSTRONG PRODUCTS DIV RESIN TECHNOLOGY GROUP -- A-12T EPOXY HARDENER, PART B  
-- 8040-01-015-1547

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

Product ID:A-12T EPOXY HARDENER, PART B

MSDS Date:03/19/1996

FSC:8040

NIIN:01-015-1547

Kit Part:Y

MSDS Number: CGNHX

=== Responsible Party ===

Company Name:ARMSTRONG PRODUCTS DIV RESIN TECHNOLOGY GROUP

Address:28 NORFOLK AVE. SOUTH

City:EASTON

State:MA

ZIP:02375

C

Country:US

Info Phone Num:508-230-8070 FAX 508-230-2318

Emergency Phone Num:505-230-8070

CAGE:DO043

=== Contractor Identification ===

Company Name:ARMSTRONG PRODUCTS CO

Box:647

City:WARSAW

State:IN

ZIP:46580

Phone:219-267-3226 OR 219-267-5375

CAGE:DO043

Company Name:MORTON THIOKOL,INC;ARMSTRONG PRODUCTS COMPANY

Address:407-ARGONNE ROAD

Box:647

City:WARSAW

State:IN

ZIP:46580-3811

Country:US

Phone:219-267-3226

CAGE:98911

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

Ingred

Name:POLYAMIDE RESIN  
CAS:68410-23-1  
Fraction by Wt: 60-80.0%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINA/ALUMINUM OXIDE (SARA 313)  
CAS:1344-28-1  
RTECS #:BD1200000  
Fraction by Wt: 30-40%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt: 1-5.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3  
ACGIH TLV:10 MG/M3

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

Rout  
es of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE: IRRITATION. SKIN: IRRITATION.  
INHAL: UPPER RESPIRATORY TRACT IRRITATION. INGEST: BURNS OF MOUTH,  
THROAT AND DIGESTIVE TRACT, GI IRRITATION, ULCERATION.  
Medical Cond Aggravated by Exposure:SKIN AND RESPIRATORY DISORDERS.

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

First Aid:EYE: FLUSH W/WATER FOR 15 MINUTES. SKIN: WASH W  
/SOAP & WATER  
FOR 15 MINUTES. CLEANSE HAIR & UNDER FINGERNAILS. USE EMERGENCY  
SHOWER. REMOVE CONTAM CLOTHES/SHOES, WASH BEFORE REUSE. INHAL: GET  
FRESH AI R. OXYGEN/ARTIFICIAL RESPIRATION IF NEEDED. INGEST: DONT  
IDNUCE VOMIT. CALL POISON CONTROL CENTER. RINSE MOUTH W/WATER.  
DRINK 2 CUPS WATER. DONT DRINK CARBONATED DRINKS. IN ALL CASES, GET  
MED AID.

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

Flash Point Method:COC  
Flash Point:>500F,>260C  
Autoign

ition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:WATER SPRAY, FOAM, DRY CHEMICAL, CARBON DIOXIDE.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA IN POSITIVE PRESSURE AND FULL PROTECTIVE CLOTHES.

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

Spill Release Procedures:VENT AREA. CONTAIN SPILL BY DIKE OR BARRIER.  
IF LG AMOUNT IS SPILLED, PUMP/RECOVER W/PUMPING EQUIPMENT OR VACUUM TRUCK. OTHERWISE, COVER SPILL W/INERT ABSORBENT. PLACE IN SUITABLE CONTAINER FOR HANDLING AND DISPOSAL. FLUSH AREA W/DILUTE. COLLECT.  
Neutralizing Agent:5% ACETIC ACID

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTED AREA. DONT STORE >120F. HEATING CAN GENERATE VAPORS. USE APPROPRIATE VENT OR RESPIRATOR AS NECESSARY.

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

Respiratory Protection:WHERE EXPOSURE EXCEEDS ESTABLISHED AIRBORNE

LIMITS, USE NIOSH APPROVED AIR RESPIRATOR, SCBA OR SUPPLIED AIR RESPIRATOR AS NECESSARY.

Ventilation:GENERAL TO MAINTAIN CONCENTRATIONS BELOW LIMITS. LOCAL EXHAUST TO CONTROL EXPOSURE WHEN GENERATING VAPOR/MIST.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEM SPLASH GOGGLES/FULLFACE SHEILD

Other Protective Equipment:PROTECTIVE CLOTHES TO PREVENT SKIN CONTACT, EYEWASH FACILITY AND EMERGENCY SHOWER.

Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN.

Supplemen

tal Safety and Health

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

Vapor Pres:0.97

Evaporation Rate & Reference: