

MORTON INTERNATIONAL (FORMERLY ARMSTRONG PRODUCTS) -- A-12 PART B,EPOXY RESIN ADHESIVE -- 8040-00-454-5160

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

Product ID:A-12 PART B,EPOXY RESIN ADHESIVE

MSDS Date:06/19/1990

FSC:8040

NIIN:00-454-5160

Kit Part:Y

MSDS Number: BLKYC

=== Responsible Party ===

Company Name:MORTON INTERNATIONAL (FORMERLY ARMSTRONG PRODUCTS)

Address:100 N RIVERSIDE PLAZA

City:CHICAGO

State:IL

Country:US

Info Phone Num:312-807-3212

Emergency Phone Num:815-338-1800

Preparer's Name:JIM RICHARDS

CAGE:DO471

=== Contractor Identification ===

Company Name:MORTON INTERNATIONAL; SPECIALTY CHEM GRP

Address:333 WEST WACKER

City:CHICAGO

State:IL

ZIP:60606-1292

Phone:815-338-1800

CAGE:DO471

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/Inform

ation on Ingredients =====

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #:XR2275000

Fraction by Wt: 1-5%

Other REC Limits:N/K

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS  
FORMS) (SARA III)

CAS:1344-28-1

RTECS #:BD1200000

Fraction by Wt: 30-40%

Other REC Limits:N/K

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:TRIETHYLENE TETRAMINE.LD50 RAT ORAL 2500 MG/KG,MOUSE ORAL  
1600

MG/M3,RABBIT ORAL 5500 MG/KG,RABBIT DERMAL 805 MG/KG.

CAS:112-24-3

RTECS #:YE6650000

Fraction by Wt: 5-10%

Other REC Limits:N/K

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:FATTY ACID POLYAMIDES (PROPRIETARY)

Fraction by Wt: 30-60%

Other REC Limits:N/K

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:FIRST AID PROC:& STOMACH.IF LAVAGE PERFORMED,HEMORRHAGE &  
PERFORATION MAY OCCUR.INHAL:MOVE TO FRESH AIR.IF (SEE ING 6)

RTECS #:9999999ZZ

Other REC Limits:N/K

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:

FIRST AID PROC:SYMPTOMS DEVELOP,OBTAIN IMMEDIATE MEDICAL  
ATTENTION.IF NOT BREATHING,GIVE ARTF RESP,PREF MOUTH TO MOUTH.

RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:SPILL PROC:STREAM,OTHER BODIES OF WATER UNLESS AUTH BY  
APPROP GOV OFFICIAL.IF AIRBORNE CONC EXCEEDS TLV/PEL (SEE ING 8)

RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:SPILL PROC:OR IF HIGH AIRBORNE CONC POSS,EVAC & VENT  
AREA.ENCLOSED/INADEQUATELY VENT  
AREA:USE SUPPLIED AIR RESP OR SCBA.

RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

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

LD50 LC50 Mixture:N/K

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:CORROSIVE.EYE CONT CAN DAMAGE CORNEA &  
OTHER OCULAR TISSUES.POSS SKIN HYPERSENSITIVITY.POSSIBLY TOXIC TO  
RESP/REPRO/ IMMUNE SYS,EYE,SKIN.CHRONIC INHA

L OF HIGH CONC OF

ALUMINA CAN LEAD TO PNEUMOCONIOSI S.TRIETHYLENETETRAMINE IS POSS  
SKIN & RESP SENSITIZER.PRLNGD INHAL OF TITANIUM DIOXIDE DUST CAN  
LEAD TO PNEUMOCONIOSIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:CORROSIVE.CAN BE ABSORBED.EYES:DAMAGE TO  
CORNEA,OTHER OCULAR TISSUE.SKIN:BURNS.INGEST:CAN CAUSE SEVERE BURNS  
TO MOUTH,THROAT & DIGESTIVE TRACT.CAN CAUSE NAUS,VOMIT & GI UPSET  
W/ DIARR. INHAL:IRRIT TO MUC MEMB,ESP AFTER PRLNGD EXPOS TO  
MIST

/VAP.DIZZ,HDCH, INCOORD,WHEEZING,COUGHING,SHORTNESS OF BREATH.TIGHTNESS OF CHEST.

Medical Cond Aggravated by Exposure:SOME COMPONENTS MAY AGGRAVATE MEDICAL CONDITIONS INVOLVING THE RESPIRATORY SYSTEM,REPRODUCTIVE SYSTEM,SKIN,IMMUNE SYSTEM/SPECIFIC CHEMICAL ALLERGIES IN CERTAIN INDIVIDUALS.

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

First Aid:EYES:IMMED FLUSH W/ STEADY H2O STREAM FOR AT LEAST 15 MIN,LIFT LIDS OFTEN.IMMED MED ATTN NEC.SKIN:IMMED REMOVE CONTAM

CLTHG/SHOES.FLUSH THORO W/ H2O FOR 15 MIN.CLEANSE W/ MILD SOAP & H2O, INCLUDING HAIR & UNDER FINGERNAILS.GET PROMPT MED ATTN.INGEST:DO NOT INDUCE VOMIT.CALL POIS CTRL CTR,EMER ROOM OR MD.RINSE MOUTH W/ LOTS OF H2O & DRINK 2 CUPS OF H2O.DO NOT DRINK CARBONATED DRINKS.(SEE SUPP)

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

Flash Point Method:SCC

Flash Point:>200F,93C

Extinguishing Media:SMALL FIRES:USE DRY CHEMICAL,CARBON DIOXIDE,HALON, WATER SPRAY OR FOAM.LARGE FIRES:USE WATER SPRAY,FOG OR ALCOHOL FOAM.

Fire Fighting Procedures:FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO COMBUSTION PRODUCTS SHOULD BE EQUIPPED WITH NIOSH APPROVED POSITIVE PRESSURE SCBA AND FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:MAY LIBERATE IRRIT VAPORS DURING COMBUST/ DECOMP.THERMAL DECOMP PRODUCTS:AMINES,OXIDES OF NITROGEN,SMOKE,SOOT,TOXIC FUMES (SUCH AS CO & CO2),METALLIC OXIDES.

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

Spill Release Procedures:STOP LEAK & CONTAIN W/ DIKE OR BARRIER.IF SPILL LRG & PUMPABLE,RECOVER W/ PUMPING EQUIP OR VACUUM TRUCK.USE EXPLO- PROOF EQUIP.PLACE CONTAM MATL IN SUITABLE CONTR FOR HNDLG & DISP.USE APPROP SAFETY PR EC & PROT EQUIP.DO NOT FLUSH TO SEWER,(SEE ING 7)

Neutralizing Agent:N/K

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

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENT AREA.DO NOT STORE

>120F,49C.ALWAYS WEAR APPROP PROT EQUIP,AS REC BY INDUS  
HYG OR SFTY PERSONNEL.AVOID BRTHG VAPOR/MIST.

Other Precautions:CONTAINER USE:NO SPECIAL PREC NEEDED.FOLLOW GOOD MFRG  
& HNDLNG PRACTICES.EMPTY CONTAINER CAN BE HAZARDOUS (IT CAN RETAIN  
PROD RESIDUE).DO NOT REUSE CONTR FOR FOOD,CLTHG OR PROD FOR HUM OR  
ANIM CONSUMP TION OR WHERE SKIN CONT MAY OCCUR.

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

Respiratory Protection:IF AIRBORNE CONC EXCESSIVE,WEAR NIO  
SH/MSHA

APPRVD EQUIP-CONSULT RESPIRATOR MFR TO DETERMINE APPROP  
TYPE.OBSERVE RESP LIMITS AS SPECIFIED BY NIOSH/MSHA OR MFR.HIGH  
AIRBORNE CONC:MAY NEED SCBA OR SUPPLI ED AIR RESP.COMPLY WITH 29CFR  
1910.134.

Ventilation:PROVIDE ADEQ VENT.GENERAL (DILUTION) VENT MAY BE  
ACCEPTABLE. HOWEVER,LOC EXHAUST VENT IS REC WHEN VAP/MIST/DUST  
RELEASED

Protective Gloves:IMPERVIOUS:CONSULT GLOVE MFR FOR TYPE.

Eye Protection:CHEM SPLASH GOGGLES & FULL FACE SHIELD.

Other Protective Equipmen

t:EYE WASH FACILITY AND EMERGENCY SHOWER

SHOULD BE AVAILABLE.RUBBER BOOTS & APRON,APPROPRIATE PROTECTIVE  
CLOTHING.

Work Hygienic Practices:WASH THORO AFTER HNDLG,ESP BEFORE EATING,  
DRINKING,SMKG,USING RESTROOM.THORO CLEAN & DRY CONTAM CLTHG/SHOES  
BEFORE REUSE

Supplemental Safety and Health

% NONVOLAT BY WT:100.VP: