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

Product ID:ADHESIVE MMM-A-134T 1 PART B

MSDS Date:02/01/1990

FSC:8040

NIIN:00-998-3339

Kit Part:Y

MSDS Number: CGRQT

=== Responsible Party ===

Company Name:ARMSTRONG PRODUCTS CO

Address:407 ARGONNE RD

Box:657

City:WARSAW

State:IN

ZIP:46580-3811

Country:US

Info Phone Num:219-267-3226

Emergency Phone Num:219-267-3226

Preparer's Name:CHEMICAL COMMODITIES

C

AGE: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

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

Ingred Name:DIETHYLENETRIAMINE

CAS:111-40-0

RTECS #:IE1225000

Fraction by Wt: 1-10%

OSHA PEL:1 P

PM  
ACGIH TLV:1 PPM, S

Ingred Name:POLYAMIDE RESIN  
CAS:37219-83-3  
Fraction by Wt: >10%  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:SILICA GEL; (SILICA-AMORPHOUS)  
CAS:112945-52-5  
RTECS #:VV7310000  
Fraction by Wt: 1-10%  
OSHA PEL:6 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:CALCIUM CARBONATE  
CAS:1317-65-3  
RTECS #:EV9580000  
Fraction by Wt: >10%  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYES: STRONG IRRITANT. SKIN:  
CONTACT WILL CAUSE MODERATE IRRITATION. INHALATION: VAPORS MAY  
CAUSE RESPIRATORY IRRITATION. CHRONIC: NO ANTICIPATED CHRONIC  
EFFECTS.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NO KNOWN EFFECTS ON OTHER  
ILLNESSES.

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

First Aid:EYES: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT  
LEAST 15 MINUTES. CALL MD. SKIN: WASH AFFECTED AREA WITH SOAP AND  
WATER. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. INHALATION:  
REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE OXYGEN OR ARTIFICIAL  
RESPIRATION) . INGESTION: CALL MD IMMEDIATELY .

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

Flash Point Method:TCC  
Flash Point

t:>200F,>93C

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

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:NONE KNOWN.

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

Spill Release Procedures:WEAR RUBBER GLOVES AND WIPE UP WITH ABSORBENT MATERIAL. RESIDUE MAY BE REMOVED WITH A CHLORINATED SOLVENT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY LOCATION.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NOT NORMALLY REQUIRED. USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:STANDARD INDUSTRIAL VENTILATION.

Protective Gloves:RUBBER GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipm

ent:EMERGENCY EYEWASH AND DELUGE SHOWER MEETING

ANSI DESIGN CRITERIA . WEAR APPROPRIATE PROTECTIVE CLOTHING.

Work Hygienic Practices:LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

Spec Gravity:1.37

Appearance and Odor:LIQUID

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACT

URER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:INCOMPLETE COMBUSTION CAN YIELD LOW MOLECULAR WEIGHT HYDROCARBONS, CARBON MONOXIDE, NITROGEN COMPOUNDS.

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

Waste Disposal Methods:THIS PROD DOES NOT MEET DEFINITION OF HAZ WASTE UNDER U.S. EPA HAZ WASTE REGS 40 CFR 261. STATE/LOCAL HAZ WASTE REGULATIONS MAY APPLY IF THEY ARE DIFFERENT FROM FEDERAL REGULATIONS. INCINERATION/DISPOSE OF IN APPROVED INDUSTRIAL LANDFILL.

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