

FIRE RESEARCH LABORATORIES INC -- #477 FIRE RETARDANT EPOXY COMPONENT B --  
8010-00-258-7087

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

Product ID:#477 FIRE RETARDANT EPOXY COMPONENT B

MSDS Date:04/11/1997

FSC:8010

NIIN:00-258-7087

Status Code:A

MSDS Number: CLLWP

=== Responsible Party ===

Company Name:FIRE RESEARCH LABORATORIES INC

Address:5364 PAN AMERICAN FREEWAY

City:ALBUQUERQUE

State:NM

ZIP:87109

Cou

ntry:US

Info Phone Num:800-877-3473

Emergency Phone Num:(800)424-9300

Preparer's Name:HENRY SIMMONS

Chemtec Ind/Phone:(800)424-9300

CAGE:0UH50

=== Contractor Identification ===

Company Name:FIRE RESEARCH LABORATORIES INC

Address:5364 PAN AMERICAN FREEWAY

Box:City:ALBUQUERQUE

State:NM

ZIP:87109

Country:US

Phone:800-877-3473

CAGE:0UH50

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

Ingred Name:MODIFIED POLYAMINES

Minumum % Wt:80.

Maxumum % Wt:85.

Ingred Name:TETRAETHYLENE

PENTAMINE  
CAS:112-57-2  
RTECS #:KH8585000  
Minumum % Wt:15.  
Maxumum % Wt:20.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Effects of Overexposure:MAY BE CORROSIVE OR HIGHLY IRRITATING WITH  
PROLONGED EXPOSURE TO SKIN. THIS PRODUCT CONTAINS ALKALINE  
MATERIALS WHICH CAN CAUSE CHEMICAL BURNS OR IRRITATION TO MUCOUS  
MEMBRANES. REPEATED OVEREXPOSURE OF SKIN CONTACT CAN CAUSE SKIN  
SENSITIZATION AND OR DERM  
ATITIS.

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

First Aid:EYE CONTACT: IMMEDIATELY FLUSH THE EYES WITH WATER. REMOVE  
CONTACT LENSES AND FLUSH EYES WITH WATER FOR 15 MINUTES INCLUDING  
UNDERNEATH THE EYELIDS. SKIN CONTACT: RINSE AFFECTED AREA WITH  
COPIOUS AMO U NTS OF SOAP AND WATER FOR AT LEAST 5 MINUTES.  
IMMEDIATELY REMOVE AND DISCARD CONTAMINATED CLOTHING. INHALATION:  
REMOVE TO FRESH AIR IMMEDIATELY IF IRRITATION OCCURS. PROVIDE  
OXYGEN OR AR  
TIFICIAL RESPI RATION OF REQUIRED. INGESTION:IF VICTIM  
IS CONSCIOUS AND NOT CONVULSING, GIVE ONE OR TWO GLASSES OF WATER  
OR MILK. DO NOT INDUCE VOMITING. IF LARGE AMOUNTS HAVE BEEN  
INGESTED, GET MEDICAL ATTENTION IM MEDIATELY.

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

Flash Point Method:PMCC  
Flash Point:>93.3C, 200.F  
Extinguishing Media:INORGANIC DRY CHEMICAL EXTINGUISHING COMPOUNDS.  
CARBON DIOXIDE, HIGH EXPANSION CHEMICAL FOAMS.  
Fire Fighting Procedu  
res:FIRE FIGHTERS WEAR FULL EMERGENCY WITH  
SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING (DO  
NOT EXPOSE SKIN). CONTAINERS MAY DEVELOP PRESSURE AND BURST IT  
EXPOSED TO HEAT OR FLAME. MOVE CONTAINERS FROM FIRE AREA IF  
POSSIBLE. COOL CONTAINERS WHICH HAVE BEEN EXPOSED TO FLAME BY  
SPRAYING THEM WITH WATER.  
Unusual Fire/Explosion Hazard:MATERIALS MAY DECOMPOSE DURING HEATING TO  
YIELD A STRONG AMMONIA VAPOR AND CORROSIVE FUMES.

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===== Accidental

Release Measures =====

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. PLACE LEAKING CONTAINERS IN A WELL VENTILATED AREA. WEAR PROTECTIVE CLOTHING AND BREATHING APPARATUS. CONFINE SPILLED MATERIAL AND ABSORB WITH SAND, SAWDUST, EARTH OR OTHER AVAILABLE SOLIDS. DIKE SPILLS TO PREVENT ENTRANCE INTO WATER TABLE OR WATER SYSTEMS. SWEEP AND PLACE MATERIAL IN A SUITABLE CONTAINER.

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

Handl

ing and Storage Precautions:DO NOT BREATHE VAPORS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM CHILDREN. DO NOT TAKE INTERNALLY INTERNALLY. AVOID CONTACT WITH SKIN. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE OF NIOSH/MSHA APPROVED RESPIRATOR FOR USE WITH ORGANIC VAPORS (TC23C OR EQUIVALENT) IS REQUIRED DURING OPEN HANDLING AND STANDARD APPLICATION. FULL-FACE, AIR SUPPLIER RESPI

RATORS MAY BE NECESSARY FOR EXTENSIVE SPRAY APPLICATIONS OR FOR PERSONS PARTICULARLY SENSITIVE TO THE ODORS AND CHEMICALS BEING USED.

Ventilation:LOCAL EXHAUST: USE EXHAUST FANS TO MAINTAIN EXPOSURE LEVELS TO THE RESPECTIVE TLV'S FOR THE MATERIALS COMPONENTS.

Protective Gloves:BUTYL RUBBER, NITRILE RUBBER, LATEX, PVC, OR OTHER CHEMICAL RESISTANT GLOVES

Eye Protection:PROTECTIVE GLASSES OR GOGGLES SHOULD BE WORN.

Other Protective Equipment:AS MAY BE NECESSARY TO PREVENT SKIN CONTACT.

Supplemental Safety and Health

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

Boiling Pt.=150.C, 302.F

Vapor Pres: