

MATERIAL SAFETY DATA SHEET

FIRE JACKET REPAIR KIT PART A

I. 24-HOUR EMERGENCY CONTACT INFORMATION

CHEM-TEL United States 800-255-3924
International 813-248-0585

II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Component Identification	CASRN	OSHA PEL	ACGIH TLV	% (by weight)
Boric acid	0010043-35-3	None Established		25 - 50
Oxirane, 2,2'-4-Butilydenebisphenylene-oxymethylene	0025085-99-8	None established		25 - 50
Ammonium polyphosphate	0068333-79-9	None Established		10 - 25
Propylated triphenyl phosphate mixture	0068937-41-7	None established		1 - 10
Triphenyl phosphate	0000115-86-6	3 mg/m ³	3 mg/m ³	1 - 10

III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point 392°F
Melting Point Not Determined
Vapor Pressure Not Determined
Vapor Density (Air = 1) > 1
Specific Gravity (Water = 1) 1.354
Evaporation Rate Slower than ether
pH Not Determined
Odor Threshold Not Determined

IV. FIRE and EXPLOSION HAZARDS

Flash Point 392°F (200°C)
Autoignition Temperature Not Determined
LEL / UEL Not Determined
Extinguishing Media Foam, Dry Chemical, CO₂, Water Spray, Water Fog
NFPA Ratings Health (2) - Flammability (1) - Reactivity (1)

Special Firefighting Procedures: Move containers from fire area if you can without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

Fire and Explosion Hazards: Material may burn but does not readily ignite. Fire may produce irritating, corrosive, and/or toxic gases. Containers may explode when heated.

V. REACTIVITY DATA

Stability Stable
Hazardous Polymerization Will not occur
Conditions to Avoid Excess Heat
Incompatibilities Oxidizing Materials
Hazardous Decomposition Products CO, and CO₂

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Sand Springs, OK 74063
USA
Phone: 918-245-6651
Fax: 918-245-7566



VI. HEALTH HAZARD DATA

Route(s) of Entry: Inhalation..... Yes
 Skin..... Yes
 Ingestion..... Not Expected

Acute (Short-Term) Health Effects: *Inhalation:* Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache, or nausea. *Eyes:* Causes severe eye irritation. Do not get into eyes. *Skin:* Causes skin irritation. May be harmful if absorbed through the skin. *Ingestion:* Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.

Chronic (Long-Term) Health Effects: Repeated or prolonged contact with the skin may cause dermatitis, skin sensitization, and possible organ damage.

Carcinogenicity: The NTP (National Toxicology Program), IARC (International Agency for Research on Cancer), and OSHA do not classify any of this product's ingredients as carcinogens.

Signs and Symptoms of Exposure: Signs and symptoms following exposure to this product will generally be related to contact of the material with the skin and can include irritation, redness, and/or burning.

Medical Conditions Generally Aggravated by Exposure: Existing skin disorders may be aggravated upon exposure. Existing respiratory disorders may be aggravated due to inhalation.

Emergency and First Aid Procedures:

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Skin Contact: In case of skin contact, immediately flush with soap and plenty of water. Get medical attention immediately.

Eye Contact: In case of eye contact, immediately flush with soap and plenty of water for at least 15 minutes. Get medical attention immediately.

Ingestion: If swallowed, immediately contact Poison Control Center. DO NOT induce vomiting unless instructed to do so by medical provider. Never give anything by mouth to an unconscious person.

HMIS Ratings Health (2) – Flammability (1) – Reactivity (0)

VII. PRECAUTIONS FOR SAFE HANDLING and USE

Steps to be Taken in Case Material is Released or Spill: If a spill occurs, do not allow spilled materials to enter storm sewers, sanitary sewers, or impact ground water. Place spilled materials in appropriate containers for disposal.

Waste Disposal Method: Disposal must be in accordance with applicable laws.

Precautions to be Taken in Handling and Storage: Keep away from heat sparks and flame. Do not smoke. Extinguish all flames and pilot lights and turn off stoves, heaters, electric motors, and other sources of ignition during use and until all vapors are gone. Vapors may cause flash fire or ignite spontaneously. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Do not get into eyes or onto skin or clothing. Wash thoroughly after handling.

VIII. CONTROL MEASURES

Respiratory Protection: None typically required.

Ventilation: A system of local and/or general exhaust is recommended.

Hand Protection: Gloves impervious to this material should be worn.

Eye Protection: ANSI-approved safety glasses with side shields or chemical goggles.

Other: Such clothing as to minimize or eliminate skin contact.

IX. REGULATORY INFORMATION (Not meant to be all-inclusive)

Hazardous Materials Transportation Act (HMTA)

When offered alone, this material should be classified as follows:

Proper Shipping Name Non-Regulated
 Hazard Class..... Not Applicable
 Identification Number Not Applicable
 Packaging Group Not Applicable
 Label Required..... Not Applicable

When offered with the catalyst within the same container, the classification is:

Proper Shipping Name Non-Regulated
 Hazard Class..... Not Applicable
 Identification Number Not Applicable
 Packaging Group Not Applicable
 Label Required..... Not Applicable

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

This produce contains the following CERCLA Section 102(a) hazardous substance(s) as listed in 40 CFR 302.4:

Identity	CASRN	% (by weight)	Reportable Quantity (RQ)
None			

Superfund Amendment and Reauthorization Act (SARA)

This product contains the following SARA Title III Section 302 extremely hazardous substance(s) as listed in 40 CFR Part 355:

Identify	CASRN	% (by weight)
None		

SARA Title III Section 311/312 hazardous categorization:

This product has been reviewed according to the EPA hazard categories promulgated under SARA Tile III Section 311 and 312 and is considered to meet the following hazard categories:

- An immediate (acute) health hazard
- A delayed (chronic) hazard

This product contains the following SARA Title III Section 313 toxic substance(s) as listed in 40 CFR Part 372:

Identify	CASRN	% (by weight)
None		

Toxic Substances Control Act (TSCA)

All ingredients are on the TSCA inventory or are not required to be on the inventory.

CATALYST / HARDENER INDEX

The material described in this MSDS is intended for use with the following:

FIRE JACKET REPAIR KIT PART B

Review literature supplied with product or contact NOV Fiber Glass Systems for proper mixing ratios.

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