

MATERIAL SAFETY DATA SHEET

PRODUCT #FE-7004A

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION
H.B. Fuller Company
1200 Willow Lake Boulevard
Vadnais Heights, MN 55110

DISTRIBUTOR INFORMATION
American Chemical, Inc.
2201 North 2nd Street
Minneapolis, MN 55411
(612) 522-4707

Medical Emergency Phone Number (24 hour): 1-888-853-1758
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

Product Number: FE7004A
Product Identifier: 802489PM
Product Description: Epoxy Resin

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for any additional exposure limit guidelines.

CHEMICAL NAME	CAS #	PERCENT	OSHA PEL
Bisphenol A diglycidyl ether	1675-54-3	50 – 70	Not established
Epoxy resin	25068-38-6	10 – 30	Not established
Butyl glycidyl ether	2426-08-6	5 - 10	TWA 25ppm
Silica, amorphous fumed	112945-52-5	1 - 5	Not established

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Combustible. Moderate to severe eye irritant. Causes skin irritation. May cause allergic skin reaction. Moderate respiratory tract irritant.
Health-2 Flammability-2 Reactivity-0
Exposure controls/personal protection for personal protective equipment recommendations.

POTENTIAL HEALTH EFFECTS BY ROUTE ENTRY

Eye: Eye contact may cause moderate to severe eye irritation. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

Skin: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. May cause sensitization.

Inhalation: Can cause moderate respiratory irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an

Ingestion:	exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur. Ingestion is not an anticipated route of exposure. Harmful if swallowed. Irritating to mouth, throat, and stomach.
Long-Term (Chronic) Health Effects	
Target Organ(s):	Skin Lungs
Regulated Carcinogen Status:	Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.
Existing Health Conditions Affected by Exposure:	Skin disease including eczema and sensitization; Lung Disease

SECTION 4 – FIRST AID MEASURES

If In Eyes:	Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
If On Skin:	Wash with soap and water. Get medical attention if irritation develops or persists.
If Vapors Inhaled:	Remove to fresh air. Call a physician if symptoms persist.
If Swallowed:	Do not induce vomiting. Seek Medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SECTION 5 – FIRST FIGHTING MEASURES

Flash Point:	78°C; 172°F TCC
Auto Ignition Temperature:	Not established
Lower Explosive Limit (% in air):	Not established
Upper Explosive Limit (% in air):	Not established
Extinguishing Media:	Use water spray, foam, dry chemical or carbon dioxide.
Unusual Fire and Explosion Hazards:	Vapors are heavier than air and can travel to a source of ignition and flash back.
Special Fire Fighting Instructions:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Special Protection:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.
Cleanup:	Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water system. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

SECTION 7 – HANDLING AND STORAGE

Handling:	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Keep away from heat, sparks, and flame. Wash thoroughly after handling. Keep container closed. Emptied container retains vapor and product residue. Observe all labeled precautions until container is cleaned. Drums of this material should be grounded when pouring. DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER.
Storage:	Store in a cool, dry place, ventilated location. Keep away from heat and flame. Keep container closed. Consult the Technical Data Sheet for specific storage instructions.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:	Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles
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and/or face shield when the possibility exists for eye contact with splashing or spraying liquid or airborne material. Have an eye wash station available.

Skin Protection:

Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.
Nitrile

Gloves:

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. NIOSH approved air purifying respirator with dust/mist filter if product is sprayed. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

Ventilation:

Use local exhaust-ventilation or other engineering controls to minimize exposures.

Exposure Limits:

Chemical Name	ACGI Exposure Limits	AIHA WEEL
Bisphenol A diglycidyl ether	Not established	Not established
Epoxy resin	Not established	Not established
Butyl glycidyl ether	TWA 3ppm Skin notation	Not established
Silica, amorphous fumed	Not established	Not established

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Milky white
Odor:	Sweet
Odor Threshold:	Not established
Weight Per Gallon (lbs.):	9.6
Specific Gravity:	1.15
Solids (% by weight):	100.0
pH:	Not established
Boiling Point (deg. C):	Not established
Freezing/Melting Point (deg. C):	Not established
Vapor Pressure (mm Hg):	Not established
Vapor Density:	Not established
Evaporation Rate:	Not established
Octanol/Water Coefficient:	Not established

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Chemical Incompatibility:	Not established
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition products:	Carbon monoxide, carbon dioxide

SECTION 11 – TOXICOLOGICAL INFORMATION

Chemical Name	LD50/LC50
Bisphenol A diglycidyl ether	Oral LD50 Rat = 11.3 ml/kg Dermal LD50 Rabbit=20000 mg/kg
Epoxy resin	Oral LD50 Rat = 11.4 g/kg Dermal LD50 Rabbit> 20 ml/kg
Calcium carbonate	Oral LD50 Rat = 1660 mg/kg Inhalation LC50 Rat = 1456ppm/4H Dermal LD50 rabbit = 2520mg/kg
Silica, amorphous fumed	Oral LD50 Rat 3160 mg/kg

SECTION 12 – ECOLOGICAL INFORMATION

Overview:	No ecological information available
90	g VOC/liter of material (VOC theoretically determined using EPA Reference method 24)
90	g VOC/liter of material, less water and exempt solvents

(VOC theoretically determined using EPA Reference method 24)

SECTION 13 – DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Dispose via incineration at an approved facility is recommended. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14 – TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information

DOT: Not Regulated

IATA: Not Regulated

SECTION 15 – REGULATORY INFORMATION

INVENTORY STATUS

U.S. EPA TSCA:	This product is in compliance with the Toxic Substances Control Act's Inventory requirements.
Canadian CEPA DSL:	This product is in compliance with the Canadian Domestic Substance List requirements.
European EINECS:	This product is in compliance with the European Inventory of Notified and Existing Chemical Substances requirements.
Australia AICS:	This product is in compliance with the Australian Inventory of Chemical Substances requirements.
Japan ENCS:	This product is in compliance with the Japanese Existing and New Chemical Substances requirements.
Korean TCCL:	This product is in compliance with the Korean Existing Chemicals List requirements.
Philippines:	This product is in compliance with the Philippine Inventory of Chemical and Chemical Substances requirements.

If you need more information about the inventory status of this product call 651-236-5858

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us to request an export review.

Federal Reporting

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical (s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 72. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

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D2B D1A

STATE REPORTING - This MSDS is not prepared for distribution in California.

SECTION 16 – ADDITIONAL INFORMATION

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS)

7/2008