EGS Electrical Group NELSON Firestop Products

MATERIAL SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI and Canadian WHMIS Standards

PART I *What is the material and what do I need to know in an emergency?*

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED):	**LBS3, Intumescent Sealant**
CHEMICAL NAME/CLASS:	Polyvinyl Acetate & Acrylic Latex Based Emulsion
SYNONYMS:	None
PRODUCT USE:	Elastomeric Intumescent Firestop Sealant
SUPPLIER/MANUFACTURER'S NAME:	EGS Nelson Firestop
ADDRESS:	4135 S. 100th East Avenue, Suite 100 Tulsa, Oklahoma 74146
CHEMTREC EMERGENCY NO.:	1-800-424-9300 (United States)
BUSINESS PHONE:	(918) 627-5530/(800) 331-7325
DATE OF PREPARATION:	September, 2003

2. COMPOSITION and INFORMATION ON INGREDIENTS

Ingredient	CAS #	Percent (max)
2-Propenoic acid, polymer	052640-81-0	10 – 20
Dipentaerythritol	00126-58-9	1 – 5
Graphite	007782-42-5	1 – 5
Melamine	00108-78-1	1 – 5
Methenamine	000100-97-0	< 1
Phenol,isopropylated, phosphate (3:1)	068937-41-7	5 – 10
Phenol-formaldehyde polymer	009003-35-4	1 – 5
Polyvinyl Acetate Emulsion	NJ801415075P	10 – 20
Pseudocumene	000095-63-6	< 1
Silicic acid, sodium salt	001344-09-8	5 – 10
Talc	014807-96-6	1 – 5
Triphenyl phosphate	000115-86-6	1 – 5
Zinc borate	001332-07-6	1 - 5

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: The chief health hazard associated with overexposure would be the potential to slightly irritate the eyes, skin, nose, and other tissues that come in contact with this product or in the event that particulates are generated from the product. This product is not flammable or reactive. Emergency responders must wear proper personal protective equipment for the releases to which they are responding.

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: Under normal circumstances of use, this product should not present significant health hazards. The most significant routes of occupational overexposure would be via inhalation and contact with skin. The symptoms of overexposure to this product, via route of entry, are as follows:

INHALATION: Breathing airborne particulates, if generated during use of this product, may irritate the nose, throat, or upper respiratory system. Symptoms of such exposure could include nausea, coughing and sneezing, tightness of chest. Hypersensitive individuals may experience allergic respiratory reaction and wheezing. Symptoms are generally alleviated when exposure ends.

CONTACT WITH SKIN or EYES: Spray applications of this material may create aerosols which may be irritating to the eyes. Prolonged eye contact can result in permanent damage. Minor skin contact may cause irritation. Prolonged skin contact can result in burns. Hypersensitive individuals may develop an allergic reaction resulting in dermatitis, rash or hives.

SKIN ABSORPTION: Harmful if absorbed through the skin.

INGESTION: Ingestion of this product is unlikely. May be harmful if ingested. If ingested, causes irritation to the linings of the mouth, esophagus and stomach. Reproductive and developmental effects have been reported for certain ingredients. Long-term repeated ingestion of small amounts of product may cause a decrease in red blood cells or liver and kidney damage. Phenol-formaldehyde polymer has tested positive as a mutagen.

INJECTION: Injection of this product is unlikely.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH	(BLUE)	2
FLAMMABILITY	(RED)	0
REACTIVITY	(YELLOW)	0
PROTECTIVE EQUIPMENT		B

EYES	RESPIRATORY	HANDS	BODY
	SEE SECTION 8		

For routine applications.

See Section 16 for Definition of Ratings

PART II *What should I do if a hazardous situation occurs?*

4. FIRST-AID MEASURES

Contaminated individuals must seek medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take a copy of label and MSDS to physician or health professional with the contaminated individual.

SKIN EXPOSURE: Wash with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if adverse reaction occurs.

EYE EXPOSURE: If fumes or particulates generated from the product contaminate the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have the contaminated individual "roll" eyes. The recommended minimum flushing time is 15 minutes. Seek medical attention if any adverse effect occurs.

INHALATION: If fumes or particulates generated from the product are inhaled, remove victim to fresh air. If adverse effect occurs after removal to fresh air, seek medical attention.

INGESTION: Do not induce vomiting. If discomfort or irritation persists, consult a physician.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing dermatitis, and other skin disorders can be aggravated by exposure to this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms.

5. FIRE-FIGHTING MEASURES

FLASH POINT: > 212º F / 100º C Flash Point Method: Estimated
AUTOIGNITION TEMPERATURE: Not available.
FLAMMABLE LIMITS (in air by volume, %):
Lower (LEL): Not available.
Upper (UEL): Not available.

FIRE EXTINGUISHING MATERIALS: Select fire extinguishing media appropriate for the surrounding area.

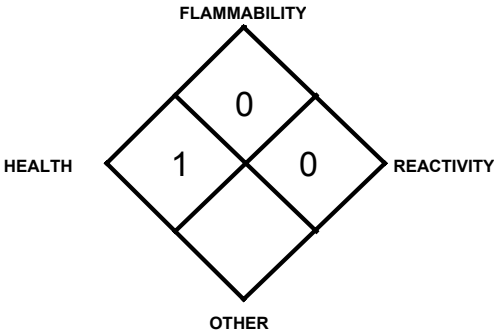
Water Spray: YES
Alcohol Foam: YES
Carbon Dioxide: YES
Dry Chemical: YES
Other: Any "ABC" Class.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product is not combustible and does not contribute to the intensity of a fire. When involved in a fire, this material may decompose and produce irritating vapors, acrid smoke, and toxic gases (e.g., oxides of nitrogen may be evolved).

Explosion Sensitivity to Mechanical Impact: Not sensitive.

Explosion Sensitivity to Static Discharge: Not sensitive.

NFPA RATING



See Section 16 for Definition of Ratings

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move fire-exposed containers if it can be done without risk to firefighters. If possible, firefighters should control runoff water to prevent environmental contamination. Rinse contaminated equipment with soapy water before returning such equipment to service. No special procedures specific to this product.

6. ACCIDENTAL RELEASE MEASURES

RELEASE RESPONSE: Prevent spills from entering drinking water supplies, streams, or sewers. Collect material with an inert, noncombustible material and remove for disposal.

PART III *How can I prevent hazardous situations from occurring?*

7. HANDLING and STORAGE

WORK AND HYGIENE PRACTICES: Avoid contact with eyes, skin and clothing. Do not take internally. Practice good personal hygiene to avoid ingestion. Wash clothing before reuse. Use only with adequate ventilation.

STORAGE AND HANDLING PRACTICES: Store this product in a cool, dry location, away from sources of intense heat. Store away from incompatible materials (see Section 10, Stability and Reactivity).

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: No special ventilation and engineering controls are required for use of this product.

RESPIRATORY PROTECTION: For spray applications, respiratory protection is required. A dust/mist respirator such as a 3M Type P-95 or type 3-95 with organic vapor protection (or equivalent) is adequate. Certain working conditions may require increased levels of respiratory protection. A respirator equipped with organic vapor cartridges may be required indoors and other poorly ventilated areas. Respirators may not be required for non-spray applications. In all cases, maintain exposures below governmental limits specified (see Section 15). See Handling and Storage (Section 7) for additional information. A NIOSH approved respirator for Formaldehyde vapor is required whenever exposures exceed regulatory limits. For additional information, refer to US OSHA Regulations 29 CFR 1910.134 1998.

EYE PROTECTION: Wear goggles to prevent exposure to high vapor or mist concentrations. Wear goggles or safety glasses with side shields and a full-face shield to prevent contact due to splashing.

HAND PROTECTION: Wear Impervious (PVC, latex or nitrile) gloves for routine industrial use.

BODY PROTECTION: Work clothing with long sleeves, long pants and work boots must be worn. Clothing must be laundered before reuse. Disposable tyvek suits may be used during spray applications.

9. PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
RELATIVE VAPOR DENSITY (air = 1): >1
SPECIFIC GRAVITY (water = 1): Not Available
SOLUBILITY IN WATER: Appreciable.
VAPOR PRESSURE, mm Hg @ 20°C: Unknown
BULK DENSITY (lbs/Cubic Foot) : Not Applicable

APPERANCE/ODOR: Red / Mild latex odor.
EVAPORATION RATE (n-BuAc = 1): 1
VISCOSITY: Unknown
BOILING POINT: >100ºC (212ºF).
pH: Not applicable.
% Volatiles (gr/L): (70ºF/21ºC): 10.86 g/l

10. STABILITY and REACTIVITY

STABILITY: Stable.
DECOMPOSITION PRODUCTS: Carbon dioxide, Carbon monoxide, Low molecular weight hydrocarbons, Aldehydes.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Strong oxidizers, strong acids.

PART IV *Is there any other useful information about this material?*

11. TOXICOLOGICAL INFORMATION

Ingredient	**CAS Number**	**LD20 and LC50**
Melamine	000108-78-1	Inhalation LC 50 Rat: 3248 mg/m3; Oral LD50 Rat: 3161 mg/kg;
Triphenyl phosphate	000115-86-6	Oral LD50 Rat : 3500 mg/kg; Oral LD50 Mouse : 1320 mg/kg

Carcinogenicity:

Ingredient	IARC Group1	IARC Group 2A	IARC Group 2B	NTP Known	NTP Suspect	OSHA
2-Propenoic acid, polymer…	No	No	No	No	No	No
Dipentaerythritol	No	No	No	No	No	No
Graphite	No	No	No	No	No	No
Melamine	No	No	Yes	No	No	No
Phenol, isopropylated, phosphate (3:1)	No	No	No	No	No	No
Phenol-formaldehyde polymer	No	No	No	No	No	No
Polyvinyl Acetate Emulsion	No	No	No	No	No	No
Silicic acid, sodium salt	No	No	No	No	No	No
Sulfuric acid	Yes	No	No	No	No	Yes
Talc	No	No	No	No	No	No
Triphenyl phosphate	No	No	No	No	No	No
Zinc borate	No	No	No	No	No	No

Contains formaldehyde below 0.1% threshold. Product is capable of releasing formaldehyde under certain conditions. Exposures during typical applications are expected to be insignificant. Exposure to formaldehyde vapor is a potential concern if product is applied under confined space conditions. NTP: Suspect Carcinogen. IARC: Group 2A. OSHA: Potential.

Mutagenicity: Phenol-formaldehyde polymer in this product has tested positive as a mutagen.
Teratogenicity: No information available.
Reproductive Toxicity: No information available.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

Environmental Fate: No data available for product.

Ecotoxicity: No data available for product.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations or with regulations of Canada and its Provinces. According to EPA (40 CFR § 261), waste of this product is not defined as hazardous.

14. TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Not applicable.
HAZARD CLASS NUMBER and DESCRIPTION: Nonhazardous.
UN IDENTIFICATION NUMBER: Not applicable.
PACKING GROUP: Not applicable.
DOT LABEL(S) REQUIRED: Not applicable.
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2000): Not applicable.

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This material is not considered as dangerous goods by Transport Canada.

IATA DESIGNATION: This material is not considered as dangerous goods by the International Air Transport Association.

UPS SHIPPING: This material is not considered as Hazardous Materials by the United Parcel Service.

15. REGULATORY INFORMATION

Regulatory Chemical Lists:

CERCLA (Comprehensive Response Compensation and Liability Act):

(None present unless listed below)

Chemical Name	CAS	WT %	CERCLA RQ
Zinc Borate	001332-07-6	3.9	1,000

SARA Title III (Superfund Amendments and Reauthorization Act)

SARA Section 312/Tier I & II Hazard Categories:

Health Immediate (acute)	Yes
Health Delayed (chronic)	Yes
Flammable	No
Reactive	No
Pressure	No

302 Reportable Ingredients (Identification Threshold 1%): None

313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

Chemical Name	CAS	WT %
Acetaldehyde	000075-07-0	.0015
Acrylamide	00079-06-01	.0009
Acrylonitrile	000107-13-1	.0003
Cumene	000098-82-8	.0201

313 Reportable Ingredients (Chemicals present below reporting threshold are exempt): (cont.)

Chemical Name	CAS	WT %
Ethyl Acrylate	000140-88-5	.0024
Ethylene Glycol	000107-21-1	.081
Formaldehyde	000050-00-0	.0363
Nitric acid	007697-37-2	.45
Pseudocumene	000095-63-6	.4288
Sulfuric acid	007664-93-9	.45
Vinyl Acetate	000108-05-4	.0907
Xylenes (o-, m-, p- isomers)	001330-20-7	.0402
Zinc Compounds	RR-00578-7	3.9

National Volatile Organic Compound Emission Standards For Architectural Coatings:

Volatile Organic Content: (gr/L) 10.86 g/l

WHMIS Classification(s): D2 B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR.

State Regulatory Information:

California Proposition 65: Warning! This product contains substances known to the state of California to cause cancer, birth defects or other reproductive harm.

Massachusetts Hazardous Substance List (Identification threshold 0.001% (1ppm)):

Chemical Name	CAS #	Wt %
Acetaldehyde	000075-07-0	.0015
Acrylamide	000079-06-1	.0009
Acrylonitrile	00107-13-1	.0003
Ethyl acrylate	000140-88-5	.0024
Formaldehyde	000050-00-0	.0363
Nitric acid	007697-37-2	.45
Sulfuric acid	007664-93-9	.45
Vinyl Acetate	000108-05-4	.0742

New Jersey Hazardous Substance List (Identification threshold (0.1%)):

Chemical Name	CAS #	Wt %
Nitric acid	007697-37-2	.45
Pseudocumene	000095-63-6	.42
Sulfuric acid	007664-93-9	.45

Pennsylvania Hazardous Substance List (Identification threshold (0.1%):

Chemical Name	CAS #	Wt %
Formaldehyde	000050-00-0	.036

Chemical Inventory Status:

All Chemicals in this product are listed or exempt from listing in the following countries:

US	CANADA		EUROPE	AUSTRALIA	JAPAN	KOREA	PHILIPPINES
TSCA	DSL	NDSL	EINECS/ELINCS	AICS	ENCS	ECL	PICCS
Yes	Yes	No	Not Determined	Not Determined	Not Determined	Not Determined	Not Determined

16. OTHER INFORMATION

PREPARED BY: EGS Nelson Firestop Products

DATE OF PRINTING: September, 2003

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. EGS Nelson assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, EGS Nelson assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.