

# Firestone Building Products Company

## Material Safety Data Sheet

January 8, 2010

Page: 1

### SECTION 1: PRODUCT IDENTIFICATION

Product Name: ISO 95+

Chemical Name / Synonym: ISO 95+ Composite, ISO 95+ Nailbase, ISO 95+ Tapered, ISO 95+ GL, ISO 95+ CAN

Chemical Family: Polyisocyanurate

24-Hour Emergency Phone: (800) 424-9300 CHEMTREC

Manufacturer's Name: Firestone Building Products Company

Manufacturer's Address: 250 West 96<sup>th</sup> Street, Indianapolis, IN 46260

NFPA Hazard Rating: Health 1, Flammability 1, Reactivity 0

HMIS Hazard Rating: Health 1, Flammability 1, Reactivity 0

### SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
n-Pentane	n-Pentane	109-66-0	0.05-5.5	TLV 600 ppm PEL 1000 ppm
Ethylidimethylmethane	Isopentane	78-78-4	4.5-9.9	TLV 600 ppm PEL 1000 ppm
Tris (monochloropropyl) Phosphate	None	13674-84-5	<5	None Established
Fibrous Glass	Fiberglass	None	<11	TLV 1 f/cc TLV 5 mg/m <sup>3</sup> (inhalable)
Nonhazardous as per 29 CFR 1910.1200.	None	None	>71	None Established

### SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure: Inhalation

Signs and Symptoms of Exposure: May cause irritation to the eyes, skin and respiratory tract. Inhalation of high vapor concentrations of pentanes used in this product may cause dizziness, headaches, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

Medical Conditions Aggravated by Exposure: The dust produced by reprocessing of this product may aggravate pre-existing respiratory diseases.

Chronic Effects: This product contains tris(monochloropropyl) phosphate, which may cause skin sensitization.

Carcinogenicity: Direct implantation of glass fibers into the lung tissue of laboratory animals has produced lung fibrosis and lung cancer. Human epidemiological studies of inhalation exposure have yielded negative results.  
Continuous filament glass fibers is listed by IARC as a class 3, *unclassifiable as to carcinogenicity in humans*.

# Firestone Building Products Company

## Material Safety Data Sheet

January 8, 2010

Page: 2

---

### SECTION 4: FIRST AID MEASURES

---

First Aid Procedures:	For eyes, hold eyelids open and wash with gentle stream of water for at least 15 minutes preferably at eyewash fountain. For skin contact, wash affected area thoroughly with soap and water when time permits. For inhalation, remove to fresh uncontaminated air.
-----------------------	---

---

### SECTION 5: FIRE FIGHTING PROCEDURES

---

Suitable Extinguishing Media:	Water spray, Alcohol foam, Carbon Dioxide, or Dry chemical.
Hazardous Combustion Products:	Carbon dioxide and carbon monoxide, phosphorus oxides, and phosphoric acid.
Recommended Fire Fighting Procedures:	Wear impermeable protective clothing and self-contained breathing apparatus. Toxic fumes and vapors may be evolved.
Unusual Fire and Explosion Hazards:	Emits dense, black smoke when burned. Certain operations such as grinding or cutting may lead to a buildup of dust suspended in air which can cause a dust explosion if ignited. Provide adequate ventilation and appropriate dust handling systems. Isopentane and n-pentane, highly flammable materials, may be present within this product.

---

### SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

---

Steps to Be Taken in Case Material is Released or Spilled:	None required
Precautions to Be Taken in Handling and Storing:	Keep away from heat, sparks, and open flames. Store in a cool, dry area. Applying to hot surfaces requires special precautions. Protect against dust that may be generated by reprocessing, altering or applying this product. Remove dust by vacuuming rather than blowing.

---

### SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

---

Ventilation:	Use in a well-ventilated location.
Respiratory Protection:	During reprocessing, altering, and/or applying this product, a NIOSH respirator may be required based upon the end user's airborne concentration evaluation.
Eye Protection:	Wear safety glasses with side shields when reprocessing, altering and/or applying this product.
Skin Protection:	Wear cotton or leather gloves when handling this product.
Other:	None required.
Work / Hygienic Practices:	Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

# Firestone Building Products Company

## Material Safety Data Sheet

January 8, 2010

Page: 3

---

### SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

---

Appearance and Odor:	White rigid cellular sheets/odorless.		
Flash Point:	Not Applicable	Lower Explosive Limit:	None
Method Used:	Not Applicable	Upper Explosive Limit:	None
Evaporation Rate:	Not Applicable	Boiling Point:	None
pH (undiluted product):	Not Applicable	Melting Point:	Unknown
Solubility in Water:	Insoluble	Specific Gravity:	Unknown
Vapor Density:	Not Applicable	Percent Volatile:	Unknown
Vapor Pressure:	Not Applicable		

---

### SECTION 9: STABILITY AND REACTIVITY

---

Thermal Stability:	Stable
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.

---

### SECTION 10: TRANSPORTATION

---

Regulatory Agency:	Not Regulated
Proper Shipping Name:	Not Applicable
Hazard Classification:	Not Applicable
Identification Number:	Not Applicable
Labels Required:	Not Applicable
Other Requirements:	Not Applicable

---

### SECTION 11: MISCELLANEOUS INFORMATION

---

Additional Comments:	Physiological effects given in Section 3 are for dust and fume that may be generated during the reprocessing, altering or application of this product. Facers of this product may be foil, kraft paper, fiberglass, perlite, wood, black felt, or a combination of these.
Date of Previous MSDS:	February 9, 2009
Changes Since Previous MSDS:	Additional product in section 1
Telephone Number for Additional Information:	(317) 575-7190

---

### DISCLAIMER

---

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Firestone Building Products Company, a subsidiary of Firestone Diversified Products, LLC, assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Firestone Building Products Company assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.