

1" SHEAR BRAKE
LINING



MATERIAL SAFETY DATA SHEET ^{1*}

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910, 1200.
Standard must be consulted for specific requirements.

IDENTITY (As Used on Label and List)

RF-12, RF-28-3C, RF-36, RF-38-2B, RF-30, RF-41, RF-42, RF-44, RF-53, RF-54, RF-59, RF-87-1, RF-425

SECTION I

Manufacturer's Name: Scan-Pac Mfg., Inc.

Emergency Telephone Number 414 241-3890

Address: 9950 North Port Washington Road
Mequon, WI 53224

Telephone Number for Information 414 241-3890

Date Prepared February 3, 1986

SECTION II - Hazardous Ingredients/Identity Information^{2*}

Hazardous Components

Common Name	Chemical Name	C.A.S. No.	OSHA PEL	ACGIH TLV	Other Limits Recommended
Fiberglass	Fibrous Glass	65997-17-3	15.0 mg/M ³	10.0 mg/M ³	NK/NA
Graphite	Graphite Natural Plumbago	7782-42-5	15.0 mg/M ³	2.5 mg/M ³	NK/NA
Autoclaved Lime	Lime, Dolomite, Hydrated	1305-78-8	N/A	5.0 mg/M ³	NK/NA
Aluminum Oxide	Aluminum Oxide	1344-28-1	N/A	10.0 mg/M ³ *	NK/NA

*Deletion proposed

SECTION III - Physical / Chemical Characteristics

Boiling Point	NAP	Specific Gravity (H ₂ O-1)	1.8 to 2.6
Vapor Pressure (mm Hg.)	NAP	Melting Point	NK/NA
Vapor Density (Air - 1)	NAP	Evaporation Rate (Butyl Acetate-1)	0
Solubility in Water	NO		
Appearance and odor:	Various colors, including green, browns & blacks, rigid, hard & no odor		

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NK/NA	NK/NA	NK/NA	NK/NA
Extinguishing Media	Water, (Class A, B, or C)		
Special Fire Fighting Procedures	NK/NA		
Unusual Fire and Explosion Hazards	NK/NA		

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CI-F-07

SECTION V - Reactivity Data

Stability	Unstable	Conditions to Avoid	NA/NK
	Stable X		
Incompatibility (Materials to Avoid)	N/K		
Hazardous Decomposition or By-Products: Incomplete combustion will create carbon monoxide and dioxide.			
Hazardous Polymerization:	May Occur	Conditions to Avoid	NA/NK
	Will Not Occur X		

SECTION VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	NK/NA	NK/NA

Health Hazards (Acute and Chronic)

Dust of glass fibre may cause mechanical irritation of mouth, nose, throat, eye and skin. Graphite may cause pneumoconiosis, other lung damage and/or irritation of the eye. Dust of autoclaved lime may cause irritations or injury to eyes, skin or respiratory tract. Aluminum oxide has pulmonary effects of inert dust.

Carcinogenicity:*	NTP?	IARC Regulated	OSHA Regulated
	No	NO	No

Signs and Symptoms of Exposure

Glass Fibre Dust - Itching and possible irritation of upper respiratory tract.

Graphite Dust - Eye irritations and coughing, wheezing, shortness of breath, impaired pulmonary functions.

Autoclaved Lime - Irritation or burning sensation and burns to wet skin.

Aluminum Oxide - Pulmonary effect of inert dust.

Medical Conditions Generally Aggravated By Exposure: NK/NA

Emergency and First Aid Procedures:

Should not be required in normal handling of product but if necessary flush eye with water for 15 minutes at least, wash skin and remove from exposure to inhalation or contact.

SECTION VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Grinding, drilling, milling, etc. can result in the release of airborne dust. Measures as outlined in Section VIII should be followed if this occurs.

Waste Disposal Method:

Hazardous ingredients: 40 CFR, Part 261, 262, and applicable State and Local regulations.

Precautions to be Taken in Handling and Storing: NA/NK

Other Precautions: NA/NK

SECTION VIII - Control Measures

Respiratory Protection (Specify Type)

NIOSH approved for pneumoconiosis-fibrosis producing dusts and dusts with TLV not less than 0.05 mg/M³.

Ventilation

Local Exhaust: For dust exposures exceeding TLV.

Mechanical (General): Not recommended for dust exposures.

Special: NA/NK

Other: NA/NK

Protective Gloves: Suggested for sensitive persons.

Eye Protection: Should not be needed for normal handling of product. Eye protection is good practice where dust is propelled by grinding or drilling activities.

Other Protective Clothing or Equipment: Long sleeved shirts or other protective clothing may be beneficial to prevent skin contact of sensitive persons.

Work/Hygienic Practices: Employees should be properly instructed in the use of control measures as indicated above when there is a need for it. If dust from this product is produced, unnecessary dusting conditions should be avoided.

NA - Not available

NAI³ - Not applicable

NK - Not known

NOTES:

- 1* Notwithstanding the preparation and delivery of this Material Safety Data Sheet Scan-Pac Mfg., Inc. Company's position is that the products identified herein meet the definition of an "article" and are exempt from the Hazard Communication Standard.

Exact formulations of the products identified herein are considered proprietary and confidential and will not be revealed except in accordance with regulations promulgated under the Hazard Communications Standard.

This Material Safety Data Sheet has been prepared solely for the purpose of complying with 29 C.F.R. §1200, if deemed necessary be the recipient hereof. The information given herein is based, in part, on data supplied by various chemical manufacturers. While the information set forth herein is believed to be accurate Scan-pac Mfg., Inc. makes no representation or warranty as to its accuracy or completeness and said information is furnished independently of any sale of the products identified herein. Scan-Pac Mfg., Inc. shall in no event be responsible for any damages of whatever nature, directly or indirectly, resulting from the publication or use or reliance upon data contained herein. No express or implied warranties of any kind, including warranties of merchantability or fitness for use, with respect to the products or data herein, is made hereunder.

- 2* This section lists the ingredients which have been determined, for purposes of 29 C.F.R. §1200, to be health hazards and which comprise 1% or greater of the composition (except that chemicals identified as carcinogens are listed if the concentrations are 0.1% or greater). In addition, this section lists the ingredients, which have been determined for purposes of 29 C.F.R. 1200, to present a physical hazard when present in the mixture. The ingredients in the products identified herein are resin binder and hazards normally associated with pure dusts of the listed ingredients should be reduced significantly in normal use and service of the products. All products identified herein contain asbestos free material and some products will not contain all hazardous components listed.
- 3* Indicates whether the chemical is listed in the National Toxicology Program (NTP) Annual Report on Carcinogens or has been found to be a potential carcinogen in the international Agency for Research On Cancer (IARC) Monographs or by OSHA.