



SCAN-PAC MANUFACTURING

N84W13510 LEON RD. MENOMONEE FALLS, WI 53051 (262) 255-2320 FAX (262) 253-2948

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-14, RF18, RF-30, RF-34, RF-36, RF-38, RF-41, RF- 415, RF-42,RF-45, RF-47, RF-48, RF-51,
RF-52, RF-53, RF-54, RF-56, RF-59, RF-60, RF-61, RF-63, RF-87-1, RF-425, RF-1005, CL004D,
CL0015, CL0017M, SM001, SM002, WCB001, WCB002, WF001, GEMINI, NH003B

SECTION 1

Manufacturer's Name: Scan-Pac Mfg. Inc. - Emergency Tel Number (262) 255-2320
Address: N84W13510 Leon Rd. - Information Telephone Number (262) 255-2320
Menomonee Falls, WI 53051 Date Prepared: June 9, 2009

SECTION 2 - Hazardous Ingredients/Identity Information⁽²⁾

| <u>Hazardous Component</u> | <u>C.A.S. No.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|----------------------------|-------------------|---------------------------|------------------------|
| Synthetic Vitreous Fibers | 65997-17-3 | 15.0 mg/M ³ | 10.0 mg/M ³ |
| Barium Sulfate | 7727-43-7 | 5*-15* mg/m ³ | 10.0 mg/m ³ |
| Graphite | 7782-42-5 | 15mppcf | 2.0 mg/m ³ |
| Calcium Hydroxide | 1305-62-0 | 5*-15** mg/m ³ | 5.0 mg/M ³ |
| Chromic Oxide | 1308-38-9 | .5 mg/m ³ | .5 mg/m ³ |
| Iron Oxide | 1309-37-1 | 10.0 mg/m ³ | 5 mg/m ³ |
| Aluminum Oxide | 1344-28-1 | 5*-15** mg/m ³ | 10.0 mg/m ³ |

* Respirable
** Total Dust

SECTION 3 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, ridged, hard and no odor. | | |

SECTION 4 - Fire and Explosion Hazardous Data

| | | | |
|-------------------------------------|-------|-------------------|-------|
| Flash Point (Method Used): | NK/NA | Flammable Limits: | NK/NA |
| Extinguishing Media: | Water | LEL: | NK/NA |
| Special Fire Fighting Procedures: | NK/NA | UEL: | NK/NA |
| Unusual Fire and Explosion Hazards: | NK/NA | | |

SECTION 5 - Reactivity Data

Stability: Stable

Condition to Avoid: NA/NK

Incompatibility (Materials to Avoid): NK

Conditions to Avoid: NA/NK

Hazardous Polymerization: Will not occur

Hazardous Decomposition or By-Products: Incomplete combustion will create carbon monoxide and dioxide.

SECTION 6 - Health Hazard Data

Route(s) of Entry:

Inhalation: Yes

Skin: NK/NA

Ingestion: NK/NA

Health Hazards (Acute and Chronic):

Synthetic Vitreous fiber 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.

Carcinogenicity ⁽³⁾:

NTP: No

IRAC Regulated: No

OSHA Regulated: No

Signs and symptoms of Exposure:

Synthetic Vitreous Fibers: Itching and possible irritation of upper respiratory tract.

Calcium Hydroxide: Irritation or burning sensations and burns to wet skin.

Mineral Wool Fiber: Skin, eyes or respiratory tract.

Graphite Dust: Eye irritation and coughing, wheezing, shortness of breath, impaired pulmonary functions.

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 7 - 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 8 should be followed if this occurs.

Waste Disposal Method:

Hazardous Ingredients: Comply with applicable Federal, State and Local regulations.

Handling and Storing Precautions: NA/NK

Other Precautions: NA/NK

SECTION 8 - Control Measures

Respiratory Protection
(Specify Type): NIOSH approved for pneumoconiosis-fibrosis producing dusts and dusts with LTV not less than 0.05 mg/M3.

Ventilation:

Local Exhaust: For Dust exposure exceeding TLV.

Mechanical
(General): NAP

Special: NA/NK

Other: NA/NK

Protective Gloves: Suggested for sensitive persons.

Eye Protection: Should not be needed for normal handling of product but is good practice where dust is propelled.

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 accumulation of dust should be avoided.

NA - Not Available
NAP - Not Applicable
NK - Not Known

Notes:

(1) Notwithstanding the preparation and delivery of this Material Safety Data Sheet, Scan-Pac Mfg., Inc.'s position is that the [products identified herein meet the definition of an "article" and are exempt from the Hazard Communication Standard, 29 C.F.R. 191031200.

Exact formulations of the product identified herein are considered proprietary and confidential and will not be revealed except in accordance with the Hazard Communication Standard.

This Material Safety Data Sheet has been prepared solely for the purpose of complying with 29 C.F.R. 1910.1200, 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 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 the purpose of 29 C.F.R. 1910.1200, 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 purpose of 29 C.F.R. 1910.1200, to present a physical hazard when present in the mixture. The ingredients in the products identified should be resin bonded and hazards normally associated with pure dusts of the listed ingredients should be reduced significantly in normal use and service of the product. 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.