



Material Safety Data Sheet

Inner Liner Sealant

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Material Identification:

Product / Material: Unvulcanized mixed rubber compound.

Product Description: Proprietary mixture of polymers and allied chemicals which may be coated with zinc stearate or soap based antitack or interleaved with polyethylene sheet.

Catalogue #: 1-742 J

Trade Name: Inner liner sealant compound.

Company Identification

ELGI Rubber Company, LLC
Plant- 1
600 N Magnolia Ave.
Luling, TX 78648
Phone: 830-875-5539
Fax: 830-875-5562

EMERGENCY TELEPHONE NUMBER.

Call CHEM TEL only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

(800) 255-3924 North America

(813) 248-0585 (Collect) International

HEALTH EMERGENCIES Call LOS ANGELES Poison information Center (24 hrs.) 1-800-356-3129

NEPA

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	% (by weight)	Hazard
Mixed Uncured Rubber	N/A	10 - 20	*
Heptane	142-88-5	40 - 50	Flammable

(i) Substances classified under CHIP

(Symbol letters and Risk Phrases) : N/A.

(ii) Non-classified substances : N/A.

(iii) Substances classified under REACH : Does not contain Substances of Very High Concern (SVHC).

3. HAZARDS IDENTIFICATION

(i) Inhalation: No hazard at ambient temperature. During processing rubber dust and fume may be evolved and the Workplace Exposure Limit (W.E.L.) should not be exceeded.

- (ii) Skin Contact: Short term contact not considered hazardous.
- (iii) Eye Contact: Fumes may cause irritation.
- (iv) Ingestion: Compound; Unlikely under normal conditions of use Antitack (if present); when wet.
- (v) Delayed effects after exposure : N/A.

4 FIRST AID MEASURES

- (i) Inhalation: If affected by fume remove to fresh air and obtain medical aid.
- (ii) Skin Contact: Wash hands after use.
- (iii) Eye Contact: Treat as foreign body, irrigate with clean water
- (iv) Ingestion: Antitack; wash out mouth with water, give large amounts of water to drink. Do not induce vomiting, seek medical help if necessary.

5. FIRE FIGHTING MEASURES

Flash Point (test method): 7°F (SFCC)

Flammable Limits: LEL: 1.2% UEL: 7%

Autoignition Temperature: No data

Extinguishing Media:

Dry chemical, carbon dioxide or foam is recommended. Water spray is recommended to cool or protect exposed materials or structures. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced fire fighters. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

NFPA Fire Rating:

Health Hazard 2

Flammability 3

Reactivity 0

Key: Least = 0, Slight = 1, Moderate = 2, High = 3, Extreme = 4

Special Firefighting Procedures:

For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

Unusual Fire and Explosive Hazards:

This material is extremely flammable and can be ignited by heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors may travel considerable distances to a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, in confined spaces, outdoors or in sewers. If container is not properly cooled, it can rupture in the heat of a fire. Vapors are heavier than air and can accumulate in low areas. Contact with aluminum parts in a pressurizable fluid system may cause violent reactions.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: None in "as received" condition.

Environmental Precautions: None.

Cleaning up method: Restack on pallet or in bin.

7. HANDLING AND STORAGE

Flash Point (°C): N/A.

Flammable Limits (% by volume): N/A.

Auto ignition Temperature: Approximately 850° C

Suitable Extinguishing Media: Water, dry powder, carbon dioxide, foam.

Extinguishing media that must not be used: N/A.

Decomposition / Combustion Products: Combustion products will include toxic gases such as carbon monoxide and hydrocarbons.

Special Fire Fighting Procedures: Wear breathing apparatus in confined space.

Special Protective Fire Fighting equipment: N/A.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Standard: Rubber Fume, 0.6 mg/m³ (8 hour TWA) (W.E.L.).

Rubber Dust, 6.0 mg/m³ (8 hour TWA) (W.E.L.).

Precautionary Engineering Measures: N/A.

Respiratory Protection: In case of insufficient ventilation suitable respiratory equipment should be worn.

Hand Protection: Gloves (thermal resistant where contact with hot material is likely).

Eye Protection: Where contact is likely wear safety glasses.

Skin Protection: Gloves.

Industrial Hygiene: Avoid smoking and the consumption of food and drink in the workplace. Good personal hygiene should be encouraged.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid at room temperature.

Odor: Distinctive.

PH: N/A.

Oxidizing properties: N/A.

Relative density: 1.0 -1.14 gms/c.c. (Depending on type)

Water solubility (% by weight): Insoluble.

Conductivity: Insulating to conducting depending on type.

Viscosity: High, variable according to type and temperature.

Percentage volatile by volume (%): 0

Evaporation rate: N/A.

10. STABILITY AND REACTIVITY

Stability / Conditions to avoid

: Stable. Keep away from excessive heat, do not expose to naked flame.

Avoid strong oxidizing agents.

Incompatibility / Materials to avoid: N/A.

Hazardous decomposition Products: Depending on type, may burn with emission of dense black smoke,

producing toxic and possibly flammable gases.

Hazardous Polymerization: None.

11. TOXICOLOGICAL INFORMATION

Hazardous Ingredients: Not significant.
Immediate Health Effects: None.

Delayed Health Effects: None.

Acute Effects (short term): Inhalation; Negligible at ambient temperature.

Skin Contact; No hazard in normal industrial use, exposure to hot material will cause thermal burns.

Eye Contact; Particulate may scratch eye surfaces/cause mechanical irritation.

Ingestion; No hazard in normal industrial use.

Chronic Effects (long term): N/A.

12. ECOLOGICAL INFORMATION

Environmentally dangerous ingredients: Antitack may contain zinc.

Mobility: Antitack fluid when wet.

Persistence and Degradability: Compound not biodegradable.

Bio accumulative Potential: Not determined.

Aquatic toxicity: Antitack can be poisonous to aquatic life. Do not discharge to drains or

watercourses. Compound considered non-toxic.

Marine Pollutant (IMDG guide): N/A.

13. DISPOSAL CONSIDERATIONS

Disposal of waste materials: At approved tips as Landfill or incinerate.

Disposal of waste containers: N/A.

Disposal Restrictions: In accordance with local authority regulations.

Statutory Notification required: None.

14. TRANSPORT INFORMATION

Designation: Mixed rubber compound.

DOT Identification Number: UN1133

DOT Hazard Class: 3

DOT Packaging Group: II

IMDG classification: N/A.

Special precautions re carriage: Not dangerous cargo. Keep separate from food.

Symbol: None.

15. REGULATORY INFORMATION

EEC Number: N/A.

Relevant EEC regulations: N/A.

Relevant UK regulations: N/A.

16. OTHER INFORMATION

Training: All operatives using this material must receive proper training with regard to the health and safety aspects relating to it.

Recommended uses and restrictions: Use only in conjunction with appropriate industrial practice.

Sources of information used to compile MSDS: Various, further information available by special request. The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of needs that the information is current, applicable and suitable to their circumstances.

- Revision Indicator: New MSDS
- MSDS Preparation date: 26th April 2011
- MSDS Prepared by: Ron Mohler

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of Elgi rubber International Limiteds' knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.