



Material: FTL175.2

The product identified on this page is a moulded material. Some potential may exist when exposure to dust when grinding, drilling, milling, etc., Occurs and all information contained herein should be adhered to.

The ingredients listed in this data sheet are contained in the product identified. Exact formulations are considered proprietary and confidential and as such precise product information will not be disclosed, other than to a health professional in accordance with the regulations, without and approved Secrecy Agreement.

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1. Application

Industrial Brakes

2. Hazardous Ingredients/Identify Information

	%WEIGH	CASN° (EINECS)	R-PHRASE	OSHA PEL	ACGIH TLV
Organic fibres	15	RN 287922-11-6	R38	0,1 mg/M3	0,1 mg/M3
Phenolic resins	13	9003-35-9	R42/43	5,0mg/M3	5,0mg/M3
Metals	<2	9003-55-89	R10	NA	NA
Oxides	<2	1309-48-4	R10	10mg/M3	10mg/M3
	<2	1309-48-4	NA	10mg/M3	10mg/M3

3. Health Hazard Data

- Route(s) of entry:

Inhalation: Yes

Skin: Yes

Ingestion: Yes

- Health hazards (Acute and Chronic)
- Some persons may be sensitive to phenolic resins and develop dermatitis-type problems. Dust of fiber silica, tale graphite, carbon black and coal can produce pneumoconiosis, silicosis, a progressive degenerative scarring of lung tissue and other lung damage.

- Irritation of the skin could be produce by Glass Fiber. Metal dusts can be irritants of the eyes and upper respiratory system.

Signs and symptoms of exposure

- Phenolic Resins - skin eruption similar in appearance to poison ivy. Pneumoconiosis and silicosis - coughing, wheezing, shortness of breath, sputum production, impaired pulmonary function. Dust in eyes may cause irritation. Gastrointestinal disturbances from ingestion. Glass fiber may create irritation of the skin of some persons.



Material: FTL175.2

4. Emergency & First Aid Procedures

• ***Inhalation***

Remove from exposure to fresh air, restore breathing, get medical attention.

• ***Skin contact***

Wash affected area thoroughly with soap and water. If irritation persists, get medical attention.

• ***Eye contact***

Flush eyes with large amounts of water for 15 minutes with eye lids open, medical attention.

• ***Ingestion***

Give large quantities of water and induce vomiting, get medical attention. Do not make unconscious people vomit.

5. Fire & Explosion Hazard Data

• ***Flash Point***

NA

• ***Flammable limits***

NA LEL UEL

• ***Extinguishing media***

Water (class A,B o C)

• ***Special fire fighting procedures***

Positive pressure self-contained breathing apparatus should be used, personnel not having suitable respiratory protection should leave the area to prevent significant exposure to toxic combustion gases.

6. Steps to be Taken in Case Material is Released or Spilled

Spill and leak procedures

NA

7. Handling & Storage

- Grinding, drilling, milling can result in the release of airborne dust. Wet sweep or vacuum, avoid generating airborne dust and avoid breathing dust, measures in section 8 should be followed if this occurs.
- Store in a dry place.

Other precautions

- Pre-employment screening for allergies and histories of skin sensitivities may be beneficial in determining persons sensitive to phenolic and glass fiber materials.

8. Exposure Controls/Personal Protection

• ***Respiratory protection***

In case manufacture product use auto-filter mask(FFP1S). Maximum level of use: 4x TVL for particles.

• ***Ventilation***

Local Exhaust for dust exposures exceeding TLV.

• ***Mechanical (General)***

Not recommended for dust exposures.

• ***Special***

NK



Material: FTL175.2

• **Protective gloves**

Recommended

• **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 sleeve shirts or other projective clothing may be benefited to prevent skin contact of persons with skin sensitive to phenolic resins and glass fiber.

9. Physical & Chemical Properties

- **Appearance:** solid grey
- **Odor:** Friction material odor.
- **Boiling point:** NA
- **Vapor pressure** (mm Hg): NA
- **Vapor density:** NA
- **Melting point:** NA
- **Solubility in water:** No

10. Stability & Reactivity

- **Stability:** stable
- **Conditions to avoid:** NK.
- **Hazardous decomposition products**
Incomplete combustion will create CO, CO₂ y So₂.
- **Incompatibility** (materials to avoid): NK.
- **Hazards polymerization:** Will not occur
- **Conditions to avoid:**
prolonged exposure to elevated temperatures >300°C

11. Toxicological Information

Short term effects

• **Inhalation**

May cause irritation to upper respiratory tract.

• **Ingestion:** NK.

• **Skin contact**

May cause temporary irritation.

• **Eye contact**

May cause irritation.

12. Ecological Information

- **Mobility** NK
- **Biodegradation** NK
- **Ecotoxicity** NK

13. Disposal Considerations

• **Product**

Seal all dust created by abrading in impervious bags and dispose to a suitable licensed landfill site.

• **Contaminated packing**

Remove all packaging for recovery or incinerate/landfill



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14. Transport Information

Not classified as dangerous for conveyance.

Classification

- **Transport labels:** Not required
- **N°UN:** Not required
- **ADR/RID** (by earth/by railway): Not required
- **IMO-IMDG** (by sea): Not required
- **ICAO** (by air): Not required

15. Regulatory Information

• **Hazardous indications**

This product is not considered dangerous according to 67/548/EEC directive it modifications and adaptations.

• **International stocks**

All the components of this product are consigned or exempt in the following stocks:

- Australian Inventory of Chemical Substances (AICS)
- Canadian Domestic Substances List (DSL)
- Inventario Chino (IENCS)
- European Inventory of Existing Commercial Chemical Substances (EINECS)
- Japanese Existing and New Chemical Substances (ENCS)
- Philippine Inventory of chemicals and Chemical substances (PICCS)
- United States Toxic Substances Control Act (TSCA)

- ACGIH TLV-TWA American Conference of Governmental industrial hygienists.
 - (COSHH) Control of Substances Hazardous to Health.
 - Phases R
- R10 Flammable, R38 Irritating to skin, R42/43 May cause sensitization by inhalation and contact.

16. Other Information

- **NA:** Not Available
- **NK:** Not Know

This information describes our products on possible security requirements, it is based in the acquired acknowledgement and our experience, the data may not be exhaustive and it should be used as an guidance title which doesn't mean expressed guarantee.