

FTL178 H&S

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.

The company shall in no event be responsible for any damages of whatever nature directly or indirectly resulting from the publication or use of or reliance upon the data provided herein. No express or implied warranty of any kind, including warranties of sale of fitness for use.

PRODUCT IDENTIFICATION: FTL178

APPLICATION: INDUSTRIAL BRAKES AND CLUTCHES

1.- SPECIFICATIONS

Manufacturer:	Friction Technology LTD
Address:	Friction Technology Ltd Unit 11, (Zone 5), Cibyn. Industrial Estate. Caernarfon. Gwynedd. LL55 WALES
Telephone:	+44(0) 1286 875 197

2.- HAZARDS IDENTIFICATION

CLASSIFICATION AND IDENTIFICATION OF HAZARDS

Hazards for the humans:	Some persons may be sensitive to phenolic resins and develop dermatitis-type problems. Dust of fibre 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 Fibre. Metal dusts can be irritants of the eyes and upper respiratory system.
Hazards for the environment:	NK

3.- COMPOSITION INFORMATION

Name	CAS N°(EINECS)	%WEIGH	Phrase R	OSHA PEL	ACGIH TLV
Glass fibres	NA(65997-17-3)	~5	NA	10mg/m ³	10mg/m ³
Organic fibres:	287922-11-6	~10	R38	0.1mg/m ³	0.1mg/m ³
Phenolic resins:	9003-35-4	15-20	R42/43	5mg/m ³	5mg/m ³
Carbon products:	1333-86-4	~2	NA	3.5mg/m ³	3.5mg/m ³
Oxides:	1309-48-4	~4	R10	10mg/m ³	10mg/m ³

4.- EMERGENCY AND FIRST AID PROCEDURES

Inhalation:	Avoid breathing dust, if happens move to fresh air. Get medical attention in case of persistent cough
Ingestion:	If dust is swallowed, rinse mouth with water and obtain medical advice
Skin contact:	Wash with soap and water for 15 minutes. Obtain medical advice if irritation
Eye contact:	Irrigate with large amounts of water. Obtain medical advice if irritation does not disappear

5.- FIRE HAZARD DATA

Extinguisher:	Water (class A, B o C)
Exposure hazards:	NA
Protective equipment:	Wear self-contained breathing equipment

6.- ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid breathing and inhalation of dust. Use PPE as identified in Section 8
Cleaning measures:	Dust has to be collected by cleaned with a wet cloth or vacuum
Environmental Precautions:	No special precaution required

7.- HANDLING AND STORAGE

Precautions for safe handling:	Provide appropriate exhaust ventilation at places where dust is formed. Wet sweep or vacuum for dust cleaning.
Storage:	Keep the material stored in a clean and dry location avoiding temperatures above 100°C

8.- EXPOSURE CONTROLS/ PERSONAL PROTECTION

Information about design of technical facilities:	Ensure ventilation to maintain airborne dust levels to below established exposure standard. Use vacuum to remove dust instead of compressed air
Respiratory Protection:	In case of manufacture product auto-filter mask (FFP1S) maximum level of use: 4x TVL for particles.
Skin protection:	Handle with gloves and wear long sleeve shirts or suitable protective clothing, e.g. general overalls
Eye protection:	Use appropriate goggles when machining or abrading products

9.- PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid brown.
Odour:	Characteristic friction material odour
Flammability:	NA LEL UEL
Water Solubility:	No
Explosive Properties:	Non-hazardous as supplied but dust from grinding can presents an explosion hazard.

10.- STABILITY AND REACTIVITY

Stability:	Stable
Hazardous decomposition products:	Incomplete combustion will create CO, CO ₂ and SO ₂
Incompatibility with materials:	Nk
Conditions to avoid:	Prolonged exposure to elevated temperatures, >300°C
Hazardous Polymerization:	Will not occur.

11.- TOXICOLOGICAL INFORMATION

Inhalation:	May cause irritation to upper respiratory tract.
Eye contact:	May cause irritation
Skin contact:	May cause temporary irritation
Ingestion:	NK

12.- ECOLOGICAL INFORMATION

Eco Toxicity:	NK
Mobility:	NK
Biodegradation:	NK
Bio Accumulation:	NK

13. - DISPOSAL CONSIDERATIONS

General:	Seal all dust created by abrading in impervious bags and dispose to a suitable licensed landfill site
Disposal Methods:	Remove all packaging for recovery or incinerate/landfill

14. - TRANSPORT INFORMATION

Transport:	Not classified as dangerous for conveyance. Use any container of suitable size and length
-------------------	---

15. - REGULATORY INFORMATION

EEC Classification:	This product is not considered dangerous according to 67/548/EEC directive it modifications and adaptations.
Refer to:	<p>Australian Inventory of Chemical Substances (AICS)</p> <p>Canadian Domestic Substances list (DSL)</p> <p>Inventory Chino (IENCS)</p> <p>European Inventory of Existing Commercial Chemical Substances (EINECS)</p> <p>Japanese Existing and New Chemical Substances (ENCS)</p> <p>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</p> <p>United States Toxic Substances Control Act (TSCA)</p> <p>ACGIH TLV-TWA American Conference of Governmental Industrial Hygienists. (COSHH) Control of Substances hazardous to Health</p>

16. - OTHER INFORMATION

Issued By:	Friction Technology LTD
Issue Date:	17/11/2017
Note:	This information is based on our present knowledge and is accurate at the date of issue, to the best knowledge of Friction Technology Ltd. However, it shall not constitute a guarantee for any specific product featured and shall not establish a legally contractual relationship and condition or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the product.