

FTL142 H&S

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PRODUCT IDENTIFICATION: FTL142

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
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2.- HAZARDS IDENTIFICATION

CLASSIFICATION AND IDENTIFICATION OF HAZARDS	
Hazards for the humans:	Exposure to dust created by handling of this product should be kept as low as reasonably practicable and limits in section 2 observed. Handling of product may cause skin irritation.
Hazards for the environment:	NK

3.- COMPOSITION INFORMATION

Name	CAS N°	Concentration
Mineral fibres:	287922-11-6	8-11%
Glass fibre:	65997-17-3	7-10%
Graphite:	25135-090-4	4-6%
Para-aramid fibre	24938-64-5	0.1-2.5%

4.- EMERGENCY AND FIRST AID PROCEDURES

Inhalation:	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
Eye contact:	Irrigate with large amounts of water. Obtain medical advice if irritation does not disappear

5.- FIRE HAZARD DATA

Extinguisher:	FTL142 is a non-flammable material. Use appropriate extinguisher to the surrounding fire
Exposure hazards:	Heated to very high temperatures, FTL142 may give off toxic smokes.
Protective equipment:	Wear self-contained breathing equipment

6.- RELEASED AND SPILL MEASURES

Person related:	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 and disposed of in accordance with Section 13,
Environmental Precautions:	NK

7.- HANDLING AND STORAGE

Precautions for safe handling:	Provide appropriate exhaust ventilation at places where dust is formed. If this is not possible use approved respirator. Avoid brush, compressed air or other methods to clean up. The use of a vacuum cleaner is recommended
Storage:	Keep the material stored in a clean and dry location avoiding temperatures above 300°C

8.- EXPOSURE CONTROLS/ PERSONAL PROTECTION

Information about design of technical facilities:	Ensure ventilation and use vacuum to remove dust instead of compressed air
Respiratory Protection:	Wear respiratory equipment while machining
Skin protection:	Handle with gloves and wear suitable protective clothing, e.g. general overalls
Eye protection:	Use appropriate goggles when machining products

9.- PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black solid
Odour:	NA
Flammability:	Will burn at elevated temperatures
Auto Flammability:	>350°C
Water Solubility:	Insoluble in water
Explosive Properties:	Non-hazardous as supplied but dust from grinding can presents an explosion hazard.
Relative Density	1.85g/cm ³

10.- STABILITY AND REACTIVITY

Stability:	Stable
Hazardous decomposition products:	CO, CO ₂ , NO _x , SO _x , phenol , formaldehyde and cyanides
Incompatibility with materials:	None
Conditions to avoid:	Prolonged exposure to elevated temperatures, >300°C
Hazardous Reactions:	None, it is an inert material.

11.- TOXICOLOGICAL INFORMATION

Inhalation:	Para-aramid fibres should be regarded as potentially harmful to man as they may cause pulmonary fibrosis
Eye contact:	May cause irritation
Skin contact:	May cause irritation
Ingestion:	NK
Carcinogenicity:	The US Environmental Protection Agency classified para-aramid fibre as a possible human carcinogen

12.- ECOLOGICAL INFORMATION

Eco Toxicity:	NK
Mobility:	NK
Biodegradation:	Not inherently biodegradable
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 labels:	NA
N° UN:	NA
ADR/RID (by earth/ by railway):	NA
IMO-IMDG (by sea):	NA
ICAO (by air):	NA

15.- REGULATORY INFORMATION

CLP Classification:	Not classified. Refer to Health and Safety at Work Act 1974, Control of Substances Hazardous to Health (COSHH) Regulations 1994.
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16.- OTHER INFORMATION

Issued By:	Friction Technology LTD
Issue Date:	17/11/2017
Further Information:	Health and Safety Executive Guidance Notes EH40/2000 - Occupational Exposure Limits 2000 EH46 - Man-Made Mineral Fibres MDHS14 - General Methods for the Gravimetric Determination of Respirable and Total Inhalable Dust. MDHS59 - Man-Made Mineral Fibre