

IMPARTIAL PTY LTD

HEAVY DUTY NON- ASBESTOS BRAKE LINING

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product name: OREX	Date Preparation: Aug. 8, 2015
Product type: Molded Friction Material F5011(230001 bs FF grade)	
Client: Impartial Pty Ltd	
Address: 26 Saggart Field Rd, Minto NSW 2566 Australia	
Telephone Number +61 2 9755 3333 info@impartial.com.au	

2. HZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (specify chemical, identify and common names)	%	CAS #	OSHA P.E.L.	ACGIH TLV-TWA
Phenolic Resin		9003-35-4	5 PPM	5 PPM
Calclum Carbonate CaCO3		1317-65-3	10 mg/m3	10 mg/m3
Brass Wire			10.0mg/m3	10.0mg/m3
Fibrous Glass		65997-17-3	5 mg/m3	10 mg/m3
Graphite		7782-42-5	2 mg/m3	2 mg/m3
Barytes (Barium Sulfate)		7727-43-7	13mg/m3	10mg/m3

3. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Melting Point	N/A
Vapor Pressure:	N/A	Specific Gravity (Water=1)	1.8-2.0
Solubility in Water:	None	Evaporation Rate	N/A

Appearance: Black, dark grey solid matrix with or without brass chips in the surface.

4. FIRE AND EXPLOSION HAZARD DATE

Flash Point	N/A	Flammability:	N/A	LEL:	N/A	UEL:	N/A
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Extinguishing Media: Water or extinguisher (class A,B,C.)

Special Fire Fighting Procedures: The material is hard to ignite, but high temperatures can cause auto ignition.

Unusual Fire and Explosion Hazards: The material may produce irritating smoke in smoldering fire.

5. REACTIVITY DATE

Stability:	Stable	Conditions to be avoid: No known hazard during normal industrial use.
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Incompatibility (materials to avoid): Strong acids and oxidizing agents.

Hazardous Polymerization: Will not Occur

6. HEALTH HAZARD DATE

Routes of Entry:	Inhalation? Yes	Skin? Yes	Ingestion Unlikely
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Heath Hazards (Acute & Chronic)

Skin contact with product may cause an allergic skin reaction.

Carcinogenicity Status: No ingredient or the finished product is known to cause cancer.

Signs and symptoms of exposure: None during normal industrial use. Dry grinding the material without the use of minimal respiratory protection may cause upper respiratory tract irritation.

Medical conditions generally aggravated by exposure:

Persons with per-existing skin disorders may be more susceptible to irritation from skin contact.

Eye contact: Flush eyes with fresh water to remove irritation.

Skin contact: In case of irritation, wash with mild soap and water. Treat as for poison Ivy.

Ingestion: If excessive, seek immediate medical assistance.

Inhalation: Remove from exposure to fresh air. If irritation persists, consult a physician.

7. PRECAUTIONS FOR SAFE HANGLING AND USE

Normal storage and handling: No special precautions and necessary.

Normal use: Do not grind, drill or dust without an adequate dust collection system.

Steps to be taken in case of spills: Minimize the creation of dust.

Waste disposal method: Use normal methods as associated with the disposal of products with a high glass content.

8. CONTROL MERSURES

Respiratory Protection: Wear an appropriate dust mask (NIOSH approved), particularly when nuisance dust levels are exceeded.

Ventilation: Local exhaust should be provided if material is being ground, machined, drilled or handled after used as a brake lining.

Protective Gloves: Helpful, due to the presence of fiber glass.

Protective Gloves: Wear impervious gloves to prevent repeated or prolonged skin contact.

Eye Protection: Safety glasses with side shields are recommended when dry grinding, drilling or otherwise machining the material.

Other Protective Clothing or Equipment: Long sleeved shirts etc. to prevent prolonged skin contact.

Work/Hygienic Practices: Standard hygienic practices during normal industrial use. Wash skin with mild soap and water. If dust is produced during dry grinding etc. vacuum should be used in place of dry sweeping. Wet cleaning is recommended for other surfaces.

9. SARA TITLE III INFORMATION

This is fully cured product, however, it may contain trace amounts of phenol and formaldehyde, and may therefore be subject to the reporting requirements of Section 313, Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372 if present or used in sufficient quantities.

This Material Safety Date Sheet is furnished without charge to responsible persons who use it at their discretion and risk. Part of this information was from sources believed to be reliable, there is no warranty of any kind, expressed or implied, as to the completeness or accuracy thereof.