



MATERIAL SAFETY DATA SHEET

HEAVY DUTY (1506)

Hazardous according to criteria of Worksafe Australia

FMP Group (Australia) Pty. Ltd.

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IDENTIFICATION

Shipping Name HEAVY DUTY (1506)
Product Use Friction Material for vehicle brakes
UN Number Not Available
Dangerous Goods 0
Packaging Group
Subsidiary Risk 0
HAZCHEM Code

PHYSICAL DESCRIPTION / PROPERTIES

Appearance Solid, dark grey in colour
Boiling Point not relevant
Melting Point not relevant
Vapour Pressure not relevant
Specific Gravity 2.0 - 2.2
Flash Point not relevant
Flammability Limits not considered a significant fire risk however the friction material will burn
Solubility insoluble
Decomposition Temperature unknown

FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media

Carbon dioxide, water, foam

Special Fire Fighting Procedures

Combustion products of this material may be toxic. Use a self-contained breathing apparatus when fighting fires involving chemical products

Unusual Fire and Explosion Hazards

None known

REACTIVITY DATA

Stability Yes
Conditions to avoid Not applicable
Materials to avoid Strong oxidizing agents

Hazardous decomposition products

Airborne fibrous dust, incomplete combustion. May create toxic fumes

Hazardous polymer occurrence No

INGREDIENTS

CHEMICAL

CAS#

UN#

Approx. Proportion

Worksafe Australia
Exposure Std 8hr TWA

Graphite

7782-42-5

17%

3mg/m3

Other Ingredients Determined Not To Be Hazardous

to 100%

Ingredient: TITANIUM STRIPE

This ingredient contains less than 0.001% ammonium dichromate and less than 0.05% carbon black by product weight.

Further Information Normal use of this product may liberate dust. Avoid inhalation of dust.

HEALTH HAZARD DATA

LD50-LC50 Mixture	Not established
Route of Entry - Ingestion	May cause gastric irritation
Route of Entry - Eyes	May cause irritation
Route of Entry - Skin	Prolonged skin contact may result in skin irritation or contact dermatitis
Route of Entry - Inhalation	Respiratory tract effects include coughing, wheezing, shortness of breath

HEALTH HAZARD ACUTE AND CHRONIC

Exposure to dusts of silica, talc, graphite, carbon & coal can lead to chronic lung diseases such as pneumoconiosis. In severe cases these diseases can be fatal. Exposure to these dusts may also lead to non-disabling conditions known as pleural thickening, plaques & calcification.

CARCINOGENICITY

Not Applicable

SIGNS/SYMPTOMS OF OVEREXPOSURE

Respiratory irritation, asthma-like symptoms and discomfort while breathing.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Persons with pre-existing respiratory disease may be at increased risk from exposure to airborne fibres, dusts and vapours.

SENSITIZERS

Not Applicable

EMERGENCY/FIRST AID PROCEDURES

- Inhalation: remove to fresh air. Obtain medical attention
- Skin: wash exposed area with soap and water. Obtain medical advice if irritation develops
- Eyes: flush with large amounts of water for at least 15 minutes, keep eyelids open. Obtain medical attention
- Ingestion: obtain medical attention as a precautionary measure.
- Other: clothing contaminated with fibrous dust should be isolated in the work area until laundered.
- Avoid contamination with other areas

PRECAUTIONS FOR SAFE HANDLING AND USE

- Do not breathe fibrous dust
- Precautions-Handling/Storing: Do not clean parts with compressed air. Avoid scraping or scratching brake linings or otherwise creating dust during assembly
- Isolate brake-servicing areas if possible
- Local exhaust ventilation is recommended
- Clean brake parts with a vacuum fitted with a HEPA filter
- Wipe with damp rags to remove residue containing fibrous dusts
- Dispose of used rags while still wet into sealed bags
- Waste Disposal Method: handle used parts so as to avoid creating airborne dust. Place used parts in an airtight container, label and dispose in a licensed landfill in compliance with local, state and federal regulations
- Moulded friction linings only release fibres when in service or when abraded
- Isolate and launder contaminated clothing before reuse

CONTROL MEASURES

- Respiratory Protection: Exposure to airborne fibres and/or dusts shall not exceed the exposure standard. If the exposure standard is exceeded a suitable particulate respirator must be worn and the wearer trained in the fitting and use thereof
- Ventilation: Use adequate mechanical ventilation. Local exhaust may be required for enclosed operations
- Protective Gloves: Protective gloves are recommended
- Eye Protection: Safety glasses with side shields or goggles
- Other Equipment: Not required under normal use
- Work Hygienic Practices: Wash thoroughly after handling and before eating, drinking or smoking.
- Safety and Health Data: Workers exposed to fibrous dust shall be trained as to its potential hazards and the means of reducing those hazards
- Other Control Measures: Not required under normal use

STORAGE AND TRANSPORT

Individual friction material components should be stored and transported in accordance with the Dangerous Goods Regulations and Occupational Health and Safety Regulations as applicable in the relevant state, territory or country, or in accordance with the manufacturers MSDS. Labelling and packaging should be in accordance with the relevant applicable Regulations or in accordance with the manufacturers recommendations.

SPILLS AND DISPOSAL

All spillages of friction material should be vacuumed up using an industrial vacuum cleaner fitted with a high efficiency particulate (HEPA) filter. Spilled material should be placed in a suitable sealed and appropriately labelled container ready for disposal.

FIRE AND EXPLOSION HAZARD

Hazardous decomposition products from heating and burning may include:

- Carbon monoxide
- Carbon dioxide
- Oxides of nitrogen

LABEL DATA

RISK Phrases

R20 Harmful by inhalation.

SAFETY Phrases

- S36 Wear suitable protective clothing.
- S51 Use only in well ventilated areas.

SPECIAL HAZARD PRECAUTIONS

Not Applicable

CONTACT POINT

Occupational Health and Safety Officer Phone 03 5327 0211
Product Development Manager Phone 03 5327 0211

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