MATERIAL SAFETY DATA SHEET

FYREX BLACK GREASE

Issued : October 2018

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1. IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER

Product Name:	FYREX BLACK GREASE
Other Names:	None
Manufacturer's Product Code:	47000 (450g), 47025 (2.5kg), 47020 (20kg)
UN Number:	None allocated
Dangerous Goods Class and Subsidiary Risk:	None allocated
Hazchem Code:	None allocated
Poisons Schedule Number:	Not Scheduled
Use:	Industrial Lubricant

Company:	Fuel & Infrastructure Management Australasia Pty Ltd (ABN: 53 144 011 432)
Address:	186 Riverstone Parade Riverstone N.S.W. 2765
	P.O. Box 73, Riverstone N.S.W. 2765
Telephone Number:	(02) 9627 2728
Emergency Telephone Number (24 Hour):	(02) 9627 2728
Fax Number:	(02) 9627 5728
E-mail:	admin@fimaglobal.com.au
Poisons Information Centre (24 Hour):	131126

(Have copy of this MSDS)

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust) Not Scheduled

Globally Harmonised System

Hazard Classification NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Signal Word None

National Transport Commission (Australia)
Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

3. COMPOSITION/INFORMATION OF INGREDIENTS

Name:	CAS Number	RN	Proportion
Blend of mineral oils (contains less than 3% DMSO extract, by IP346)	64742-52-5 / 64742-54-7	Unspecified	<98.5 %
Zinc dialkyldithiophosphate	68649-42-3	Unspecified	>1.5 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposures

SWALLOWED Do not induce vomiting. Obtain medical attention.

ADVICE TO DOCTOR No Data Available

INHALED Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE No Data Available

EYE	Wash out eye with plenty of water for at least 15 minutes. Obtain medical attention if soreness or redness persists.
SKIN	Wash skin with soap and water. If grease has been injected under the skin, seek Medical advice immediately.

5. FIRE FIGHTING MEASURES

GENERAL MEASURES	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.

FLAMMABILITY CONDITIONS No Data Available

EXTINGUISHING MEDIA	Use Water Spray to cool containers. Use foam, dry chemical, carbon dioxide or suitable extinguishing media.
HAZARDOUS PRODUCTS OF COMBUSTION	This product may give rise to hazardous fumes in a fire.
SPECIAL FIRE FIGHTING INSTRUCTIONS	Do NOT allow firefighting water to reach waterways, drains or sewers. Store firefighting water for treatment.
PERSONAL PROTECTIVE EQUIPMENT	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes firefighting helmet, coat, trousers, boots and gloves).
FLASH POINT	>200 °C
LOWER EXPLOSION LIMIT	No Data Available
UPPER EXPLOSION LIMIT	No Data Available
AUTO IGNITION TEMPERATURE	>200 °C
HAZCHEM CODE	No Data Available

6. ACCIDENTAL RELEASE MEASURES

GENERAL RESPONSE PROCEDURE	Avoid accidents, clean up immediately. May be slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment.
CLEAN UP PROCEDURES	Contain and neutralise with bicarbonate of soda or limestone then sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled chemical waste container and dispose of promptly as hazardous waste.
CONTAINMENT	Stop leak if safe to do so. Isolate the danger area.
ENVIRONMENTAL PRECAUTIONARY MEASURES	Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management Evacuation Criteria Evacuate all unnecessary personnel.
PERSONAL PRECAUTIONARY MEASURES	Personnel involved in the cleanup should wear full protective clothing as listed in section 8.

7. HANDLING AND STORAGE

HANDLING	Avoid direct contact with the substance. Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product dust/fumes.
STORAGE	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Protect from direct sunlight, moisture and static discharges.

This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods by Road and Rail Container Store in original packaging as approved by manufacturer.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL	No exposure standard has been established for this product by the Safe Work Australia (SWA). However, the exposure standard for dust not otherwise specified is 10mg/m3 (for inspirable dust) and 3mg/m3 (for respirable dust).
EXPOSURE LIMITS	No Data Available
BIOLOGICAL LIMITS	No Data Available
ENGINEERING MEASURES	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
PERSONAL PROTECTION EQUIPMENT	RESPIRATOR: Wear a P1 or P2 particulate respirator when handling this
PRODUCT	(AS1715/1716).
EYES:	Safety glasses with side shields (AS1336/1337).
HANDS:	Neoprene gloves (AS2161). CLOTHING: Long-sleeved protective coveralls and safety footwear (AS3765/2210).
WORK HYGIENIC PRACTICES	No Data Available

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Odour	Odourless
Colour	Grey/Black
Appearance	Smooth Grease
pH	No Data Available
Vapour Pressure Soluble in oil -	Insoluble in water (@ No Data Available)
Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Freezing Point	No Data Available
Specific Gravity	No Data Available

Flash Point	>200 °C
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density 0.82-0.85 mg/l Relative	No Data Available
Specific Heat Molecular Weight	No Data Available
Octanol Water Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No Data Available
Potential for Dust Explosion	No Data Available
Fast or Intensely Burning Characteristics	No Data Available
Flame Propagation or Burning Rate of Solid Materials	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available
Melting Point	>200 °C
Evaporation Rate	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Net Propellant Weight	No Data Available

Auto Ignition Temp	>200 °C
Solubility	Soluble in oil - Insoluble in water

10. CHEMICAL STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Heat.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Combustion will generate: smoke, carbon dioxide and carbon monoxide.
Hazardous Polymerization	No Data Available

11. TOXICOLOGICAL INFORMATION

General Information	No toxic components. Non-irritating to skin/eye/respiratory track. No evidence of sensitisation.
Carcinogen Category	No Data Available

12. ECOLOGICAL INFORMATION

Ecotoxicity	No Data Available
Persistence/Degradability	Only slightly biodegradable.
Mobility	Nonvolatile. The product is poorly absorbed onto soils or sediments.
Environmental Fate	Do NOT let product reach waterways, drains and sewers.
Bioaccumulation Potential	Product is not expected to bio-accumulate.
Environmental Impact	No Data Available

13. DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Contact a specialist disposal company or the local waste regulator for advice. Incinerate at an approved site following all local regulations.
Special Precautions for Landfill	This material may be suitable for approved landfill.

14. TRANSPORTION INFORMATION

Land Transport (Australia)	ADG Code
Proper Shipping Name	FYREX BLACK GREASE
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Land Transport (Malaysia)	ADR
Proper Shipping Name	FYREX BLACK GREASE
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available

Special Provision	No Data Available
Land Transport (New Zealand)	NZS5433
Proper Shipping Name	FYREX BLACK GREASE
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

Land Transport (United States of America) US DOT

Proper Shipping Name	FYREX BLACK GREASE
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

Sea Transport IMDG Code

Proper Shipping Name	FYREX BLACK GREASE
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available

Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No

Air Transport IATA DGR

Proper Shipping Name	FYREX BLACK GREASE
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

National Transport Commission (Australia) Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	Not scheduled

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code	Not Assessed

National/Regional Inventories

Australia (AICS)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	Not Determined
Europe (REACh)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

16. OTHER INFORMATION

Related Product Codes 47000 (450g), 47025 (2.5kg), 47020 (20kg)

Revision 1	Revision Date 30 Dec 2017
Reason for Issue	New SDS

Key/Legend

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
Atm	Atmosphere
CAS	Chemical Abstracts Service (Registry Number)

cm² Square Centimetres
CO2 Carbon Dioxide
COD Chemical Oxygen Demand
deg C (°C) Degrees Celsius
EPA (New Zealand) Environmental Protection Authority of New Zealand
deg F (°F) Degrees Fahrenheit
g Grams
g/cm³ Grams per Cubic Centimetre
g/l Grams per Litre
HSNO Hazardous Substance and New Organism
IDLH Immediately Dangerous to Life and Health
immiscible Liquids are insoluble in each other.
inHg Inch of Mercury
inH2O Inch of Water
K Kelvin
kg Kilogram
kg/m³ Kilograms per Cubic Metre
lb Pound
LC50 LC stands for lethal concentration.
LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L Litre
m³ Cubic Metre
mbar Millibar
mg Milligram
mg/24H Milligrams per 24 Hours
mg/kg Milligrams per Kilogram
mg/m³ Milligrams per Cubic Metre
Misc. or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH2O Millimetres of Water
mPa.s Millipascals per Second
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Health and Safety Commission
OECD Organisation for Economic Co-operation and Development
Oz Ounce
PEL Permissible Exposure
Limit Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours
psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
Tne Tonne
TWA Time Weighted Average ug/24H Micrograms per 24 Hours

UN	United Nations
wt	Weight

END OF MSDS