MATERIAL SAFETY DATA SHEET

FYREX RED GREASE

Issued : October 2018

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1. IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER

Product Name:	FYREX RED GREASE
Other Names:	None
Manufacturer's Product Code: 45450 (450g), 45025 (2.5kg), 45202 (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

Hazard Classification:	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Risk Phrases:	None
Safety Phrases:	None

3. COMPOSITION/INFORMATION OF INGREDIENTS

Name:	CAS Number	RN	Proportion
Zinc Dialkyldithiophsophate	68649-42-3	No Data Avail	>16%
Blend of Mineral Oils	64742-54-7	No Data Avail	No Data Avail
Blend of Mineral Oils	64742-52-5	No Data Avail	No Data Avail

4. FIRST AID MEASURES

SWALLOWED If poisoning occurs, contact a doctor or Poisons Information Centre.

- If swallowed do NOT induce vomiting.
- Seek medical advice.

EYE If this product comes in contact with the eyes:

- Immediately hold the eyelids apart and flush the eye continuously with running water.
- Continue flushing until advised to stop by the Poisons Centre or a doctor, or at least 15 minutes.

SKIN If skin contact occurs:

- Wash skin with soap and water.
- If grease has been injected under the skin, seek medical advice immediately.
- Seek medical attention in event of irritation.

INHALED Remove victim from exposure area to gain access to fresh air.

- If not breathing, apply artificial respiration, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.

- If breathing is difficult, give oxygen.
- Seek medical attention.

NOTES TO PHYSICIAN No Data Available

MEDICAL CONDITIONS AGGREVATED BY EXPOSURE: No Data Available

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA
- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray to cool containers

FIRE FIGHTING 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 possible to do so without risk.
- Do NOT allow fire fighting water to reach water ways, drains or sewers. Store water for treatment.

FIRE/EXPLOSION HAZARD This product may give rise to hazardous fumes in a fire.

FIRE INCOMPATIBILITY No Data Available

HAZCHEM None

PERSONAL PROTECTIVE EQUIPMENT

- Fire fighters should wear a positive pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighters' helmet, coat, trousers, boots and gloves).

6. ACCIDENTAL RELEASE MEASURES

GENERAL PURPOSE RESPONSE:

- 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.
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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:	Liquid
Odour:	Odourless Colour Red Appearance Smooth Grease
pH:	No Data Available
Vapour Pressure:	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

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

ACUTE HEALTH EFFECTS

SWALLOWED The liquid is highly discomforting and may be harmful if swallowed. Ingestion may result in nausea, pain vomiting. Vomit entering the lungs by aspirating may cause potentially lethal chemical pneumonitis.

EYE Considered an unlikely route or entry in commercial/industrial environments. The liquid is discomforting to the eyes and is capable of causing a mild temporary redness of the conjunctiva (similar to wind-burn), temporary impairment of vision and/or other transient eye damage/ulceration.

SKIN The liquid is discomforting to the skin if exposure is prolonged and is capable of causing skin reactions which may lead to dermatitis from repeated exposures over long periods. Toxic effects may result from skin absorption. The material may accentuate any pre-existing skin condition.

INHALED The vapour/mist is discomforting to the upper respiratory tract. Inhalation hazard is increased at higher temperatures. Inhalation of high concentrations of gas/vapour causes lung irritation with coughing and nausea, central nervous depression with headache and dizziness, slowing of reflexes, fatigue and incoordination.

CHRONIC HEALTH EFFECTS

Principle routes of exposure are usually by inhalation of vapour and skin contact. Prolonged or continuous skin

Contact with the liquid may cause defatting with drying, cracking, irritation and dermatitis following.

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

12. ECOLOGICAL INFORMATION

No data for FYREX RED GREASE

Ecotoxicity	No ecological information available for this product. Only slightly biodegradable.
Persistence/Degradability Mobility	Non-volatile. 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. This material may be suitable for approved landfill.

14. TRANSPORTION INFORMATION

Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

Land Transport (New Zealand) NZS5433

Proper Shipping Name	Fyrex Red 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 Red 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 Red 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 Red 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 45450 (450g), 45025 (2.5kg), 45202 (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)
cm^2 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/cm^3 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/m^3 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
m^3 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