MATERIAL SAFETY DATA SHEET

Section 1: Identification

Product

Product Name: K15100

Product Description: Turbo Diesel 15w/40 CF-4/SL

Intended use: This oil is suitable for fleet operators using heavy duty and light duty diesel and petrol engines, both turbo and naturally aspirated. This oil was designed for pre 1994 US diesel engines and a wide variety of European and Japanese diesel four stroke engines. Unifleet 15W/40 may be used in transmissions and hydraulics where a SAE 15W/40 engine oil is recommended.

Company Identification

Supplier: Kincrome Australia Pty Ltd ABN: 41 007 185 006
3 Lakeview Drive Carribean Business Park Scoresby
Victoria 3179 AUSTRALIA
Customer Service:
Tel: 1300 657 528 Fax: 1300 556 005
Administration:
Tel: +61 3 9730 7100 Fax: +61 3 9730 7199

Section 2: Hazard Identification

Health Hazard Classification

Classified as Non-Hazardous according to the criteria of NOHSC.
Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road & Rail..

Hazard Category

S24/25 Avoid contact with skin and eyes.
S28 After contact with skin, wash immediately with plenty of soap and water.
S37 Wear suitable gloves.

Section 3: Hazard Identification

Ingredient	CAS No	Proportion
Mineral Base Oil	**64742-65-0**	**40-100%**
Additives determined to be not hazardous	**N/A**	**Balanced**

Section 4: First Aid Measures

Inhalation

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Section 4: First Aid Measures (cont.)

Eye (Contact)
Hold eyelids apart and flush the eye continuously with running water. Continue flushing until for at least 15 minutes. Promptly seek medical attention if irritation persists or any loss of vision occurs.

Skin (Contact)
Remove contaminated clothing and flush skin and hair with running water. Launder contaminated clothing before reuse.

Inhalation (Breathing)
If inhaled, remove promptly to fresh air. If there are signs of drunkenness (intoxication or inebriation) or respiratory irritation, dizziness, nausea or headache occurs, seek immediate medical attention. Treat unconsciousness by placing the person in the coma position. Apply artificial respiration if not breathing.

Ingestion (Swallowing)
Do NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor. If there are signs of drunkenness (intoxication or inebriation) or respiratory irritation, dizziness, nausea or headache occurs, seek immediate medical attention. Do not allow further work until fitness for duties is established.

Advice to Doctor
Treat symptomatically.

Section 5: Fire Fighting Measures

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water mist, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Inappropriate Extinguishing Media: Straight streams of water

FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire Hazards: Combustible. Hazardous material. Firefighters should consider protective equipment indicated in Section 8.

Hazardous Combustion Products: Smoke, Fume, Incomplete combustion products, Oxides of carbon

Section 6: Accidental Release Measures

Emergency procedures

Personnel to wear appropriate personal protective equipment and clothing to minimise exposure. Remove all sources of ignition. Stop leaks where safe to do so. Ventilate area. Use inert absorbent material on spillage to avoid spillage from entering drains or waterways. Use non sparking tools to collect material, and place in labelled containers. Dispose of waste materials in accordance with local and national regulations. If spillage enters waterways contact the Environmental Protection Authority or local water authority.

Section 7: Handling and Storage

Precautions for safe handling
Any non-intended or non-authorised use of this product may result in personal injury or damage to equipment.
Store product in original container.
Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.

Conditions for safe storage, including any incompatibilities
Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purposes of storage and handling. Store in a cool, well ventilated area away from heat and other sources of ignition, oxidising agents, foodstuffs, and out of direct sunlight. Keep containers securely sealed and protect against damage. Keep containers closed at all times – check regularly for leaks. Store with all precautions required for handling flammable liquids. Empty containers retain residue and are dangerous, keep away from sources if ignition

Static Accumulator: This material is a static accumulator.

STORAGE

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be earthed and bonded. Drums must be earthed and bonded and equipped with self-closing valves, pressure vacuum bungs and flame arresters.

Storage Temperature: [Ambient]

Storage Pressure: [Ambient]

Suitable Containers/Packing: Tank Trucks; Railcars; Barges; Drums

Section 8: Exposure Controls/Person Protection

EXPOSURE LIMIT VALUES

No exposure standard has been established, however, the TWA National Occupational Health and Safety Commission (NOHSC) exposure standard for oil mist is 5 mg/m^3. As with all chemicals, exposure should be kept to the lowest possible level.

Biological limits

No biological limits allocated.
NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

ENGINEERING CONTROLS

Use in well ventilated areas. Where ventilation is inadequate, a local exhaust ventilation system is required.

Control measures to consider:
Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:
Half-face filter respirator Type A filter material.
For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Section 8: Exposure Controls/Person Protection (Cont.)

Hand Protection: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:
If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:
If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

ENVIRONMENTAL CONTROLS

See Sections 6, 7, 12, 13.

Section 9: Physical and Chemical Properties

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

GENERAL INFORMATION

Appearance	Viscous amber liquid
Melting Point	Not available
Boiling Point	Not available
Vapour Pressure	Not available
Solubility in Water	Insoluble
pH Value	Not applicable
Viscosity @ 40°C	100 cSt
Viscosity @ 100°C	11.5 cSt
Specific Gravity	0.88
Flash Point	220°C
Flammability	Combustible Liquid
Auto Ignition Temperature	Not available
Flammable Limits	Not available

Section 10: Stability and Reactivity

STABILITY: Material is stable under normal conditions.
CONDITIONS TO AVOID: Heat, direct sunlight, open flames or other sources of ignition.
MATERIALS TO AVOID: Strong oxidisers agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, phosphorous and sulphur.

Section 11: Toxicological Information

Toxicology Information: No toxicology data available for this product.

Inhalation: Inhalation of vapours may cause irritation of the nose, throat and respiratory system. Ingestion: Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Skin: Contact may cause irritation to the skin. This may include redness and itchiness.

Eye: Contact may cause impaired vision, redness and tearing.

Chronic Effects: Prolonged or repeated contact may result in skin irritation leading to dermatitis.

Section 12: Ecological Information

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY

Material – may cause adverse effects to aquatic organisms.

MOBILITY

Material – Not available.

PERSISTENCE AND DEGRADABILITY

Biodegradation:
Material -- Not available.
Hydrolysis:
Material -- Not available.

Bio accumulative Potential: Not available.

Environmental Protection: Do not allow product to enter drains, waterways or sewers.

Section 13: Disposal Considerations

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Section 14: Transport Information

Transport Information: Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Section 15: Regulatory Information

Poisons Schedule: Not scheduled.

Hazard Category: Not classified as hazardous according to the criteria of the National Occupational Health and Safety Commission (NOHSC) Australia.

Contact Point: Technical Manager

Phone: 03 9730 7100

Section 16: Other Information

N/D = Not determined**, N/A =** Not applicable
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