Material Safety Data Sheet

Hydraulic Jack Oil

KINCROME

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Issue: 3

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

PRODUCT NAME	Hydraulic Jack Oil
OTHER NAME	5112 Industrial Oil

DETAILS OF MANUFACTURE

MANUFACTURE NAME	Royal Precision Lubricants Pty Ltd (ABN 72 155 989 165)
ADDRESS	40 Kimberly Road, DANDENONG SOUTH, Vic 3175
TEL & FAX. NO	Telephone +61 3 9768 2441 Fax +61 3 9768 3325

DETAILS OF SUPPLIER

COMPANY NAME	Kincrome Australia Pty. Ltd (ABN: 41 007 185 006)
COMPANY ADDRESS	Australia 3 Lakeview Drive Caribbean Business Park Scoresby, Victoria 3179 AUSTRALIA New Zealand Level 29, 188 Quay Street, Auckland Central 1010 NZ

EMERGENCY CONTACT NO.

CONTACT NO.	Australia: 1300 657 528 New Zealand: 0011 64 2 7342 5754
POISONS INFORMATION CENTRE	Australia: 131 126 New Zealand: 0800 764 766

SECTION 2 - HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION	NON-HAZARDOUS CHEMICAL according to the WHS Regulations and the Globally Harmonised System of Classification and Labelling of Chemicals (GHS). NON-DANGEROUS GOODS according to the ADG Code.
GHS LABEL ELEMENTS	
HAZARD PICTOGRAM	No hazard symbol required.
SIGNAL WORD	No signal word.
HAZARD STATEMENTS	Not applicable.
PRECAUTIONARY STATEMENTS	
PREVENTION	Not applicable.
RESPONSE	Not applicable.
STORAGE	Not applicable.
DISPOSAL	Not applicable.
OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION	Combustible liquid. Flash point >220°C. Prolonged or repeated skin contact without proper cleaning may clog the pores of the skin and may result in disorders such as oil acne or folliculitis. Used oil may contain harmful impurities.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURE OF THE SUBSTANCES LISTED BELOW WITH NON-HAZARDOUS ADDITIONS.

CAS NO.	%[WEIGHT]	NAME
Varies – See Abbreviations Section 16	75-95%	Base oil - unspecified
NA	5-25%	Additives – not hazardous

Note: The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4 - FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

EYE CONTACT	If this product comes in contact with the eyes: • Flush eye with clean running water for several minutes. • Remove contact lenses, if present and easy to do. Continue rinsing. • If irritation persists, obtain medical attention.
SKIN CONTACT	If skin contact occurs: • Remove contaminated clothing and footwear. • Flush exposed skin with water and wash with soap if available. • Wash contaminated clothing before reuse. • Seek medical advice/attention if irritation persists. • Prolonged or repeated skin contact without proper cleaning may clog the pores of the skin and may result in oil acne or folliculitis.
INHALATION	If fumes, mist or vapours are generated and inhaled: • No treatment is normally necessary under normal conditions of use. • Remove the person from exposure to fresh air. • Keep the person at rest in a position comfortable for breathing. • If symptoms persist or the person feels unwell, obtain medical attention.
INGESTION	If swallowed: • In general, no treatment is necessary unless large quantities are swallowed. • Do not induce vomiting. • Rinse mouth with water. • Do not give anything by mouth to an unconscious person. • Obtain medical advice if the person feels unwell or if a large quantity has been swallowed.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on exposed skin areas.
- Swallowing may result in nausea, vomiting and/or diarrhoea.
- Eye or skin contact may cause slight irritation.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

- Treat symptomatically and supportively.
- When administering first aid, ensure that appropriate personal protective equipment is used according to the incident, injury and surroundings.
- Used oil may contain harmful impurities and should be handled with caution.

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Use foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water in a jet.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Combustible liquid. In a fire, or if heated, a pressure increase may occur and the container may burst. Combustion may produce hazardous decomposition products including carbon monoxide, airborne solid and liquid particulates, gases, and unidentified organic or inorganic compounds.
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS	Firefighters should wear appropriate protective equipment. Chemical resistant gloves should be worn. Chemical resistant suit is indicated if large contact with spilled product is expected. Positive pressure self-contained breathing apparatus (SCBA) and full turnout gear should be worn. Cool closed containers exposed to fire with water spray if safe to do so. Prevent fire water from entering drains, sewers or waterways where practicable.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	Avoid contact with skin and eyes. Use appropriate personal protective equipment as described in Section 8. Evacuate surrounding areas if necessary. Remove all ignition sources. Slippery when spilt. Avoid accidents and clean up immediately.
ENVIRONMENTAL PRECAUTIONS	Stop leak if safe to do so. Use appropriate containment to avoid environmental contamination. Prevent product from spreading or entering drains, ditches, rivers, sewers, waterways or soil. Local authorities should be advised if significant spillages cannot be contained.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	Reclaim liquid directly where practicable. Contain and absorb residue with an absorbent material such as clay, sand, earth or other suitable material. Collect absorbed material into suitable labelled containers for disposal in accordance with applicable regulations. Dispose of waste properly. Clean contaminated surfaces after removal of spilled material.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Use in a well-ventilated area. Avoid contact with skin and eyes. Avoid inhalation of fumes, mist or vapours where generated. Wear appropriate protective equipment as described in Section 8. Keep containers closed when not in use. Keep away from heat, open flames and other sources of ignition. Do not smoke when handling this product. Prevent spills and leakage. Slippery when spilt. Avoid release to drains, sewers, waterways and soil. Wash hands thoroughly after handling and before eating, drinking, smoking or using the toilet. Remove contaminated clothing and wash before reuse.
CONDITIONS FOR SAFE STORAGE	Classified as a Class C2 combustible liquid for storage and handling purposes. Store in the original container in a cool, dry and well-ventilated area. Keep containers securely closed and protected against damage. Store away from heat, direct sunlight, open flames and other sources of ignition. Store away from oxidising agents and foodstuffs. Keep containers upright where practicable. Prevent release to drains, sewers or waterways.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS / EXPOSURE LIMITS	No specific exposure standard has been established for this product. Oil mist: TWA: 5 mg/m³. As with all chemicals, exposure should be kept to the lowest practicable level. Biological Limit Values: Not available.
ENGINEERING CONTROLS	Use in well-ventilated areas. Where ventilation is inadequate, or where mists, fumes or vapours may be generated, use local exhaust ventilation or other engineering controls to minimise airborne exposure. Keep containers closed when not in use.
EYE / FACE PROTECTION	Avoid contact with eyes. Wear safety glasses with side shields, chemical goggles or a face shield as appropriate to the risk of splashing.
HAND PROTECTION	Avoid skin contact. Wear chemical-resistant gloves when handling this product. PVC gloves are suitable for general handling. Glove suitability should be confirmed for pro-longed or repeated contact.
BODY PROTECTION	Wear suitable protective clothing to prevent skin contact and contamination of personal clothing. Long sleeves, long trousers or coveralls, and enclosed footwear or safety boots are recommended. Remove and wash contaminated clothing before reuse.
RESPIRATORY PROTEC-TION	Respiratory protection is normally not required under normal conditions of use. If mists, fumes or vapours are generated in a poorly ventilated area, use an approved respirator with a suitable replaceable vapour/mist filter. Respiratory protection should be selected, fitted, used and maintained in accordance with applicable workplace requirements.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous amber liquid
ODOUR	Not available
ODOUR THRESHOLD	Not available
PH VALUE	Not applicable
MELTING POINT / FREEZING POINT	Not available
INITIAL BOILING POINT / BOILING RANGE	Not available
FLASH POINT	>220 °C
EVAPORATION RATE	Not available
FLAMMABILITY	Combustible liquid
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not available
VAPOUR PRESSURE	Not available
VAPOUR DENSITY	Not available
DENSITY	Not available
RELATIVE DENSITY	0.882
SOLUBILITY IN WATER	Insoluble
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not available
AUTO IGNITION TEMPERATURE	Not available
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY	Kinematic viscosity @ 40°C: 46 cSt Kinematic viscosity @ 100°C: 6.8 cSt
EXPLOSIVE PROPERTIES	Not available
OXIDISING PROPERTIES	Not available
OTHER INFORMATION	Classified as a Class C2 combustible liquid for storage and handling purposes.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	No specific test data available for this product. Refer to Conditions to Avoid and Incompatible Materials for additional information.
CHEMICAL STABILITY	Stable under normal conditions of storage and handling.
POSSIBILITY OF HAZARDOUS REACTIONS	Reacts with strong oxidising agents. Hazardous polymerisation is not expected under normal conditions of storage and use.
CONDITIONS TO AVOID	Avoid heat, direct sunlight, open flames and other sources of ignition.
INCOMPATIBLE MATERIALS	Strong oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Under normal conditions of storage and use, hazardous decomposition products are not expected to be produced. Combustion or thermal decomposition may produce hazardous fumes including carbon monoxide, airborne solid and liquid particulates, gases, and unidentified organic or inorganic compounds.

SECTION 11 TOXICOLOGICAL INFORMATION

INFORMATION ON THE LIKELY ROUTES OF EXPOSURES	
INHALATION	Not considered to be an inhalation hazard under normal conditions of use. Where fumes, mist or vapours are generated, inhalation may cause discomfort.
SKIN CONTACT	Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning may clog the pores of the skin and may result in oil acne or folliculitis.
EYE CONTACT	Expected to be slightly irritating.
INGESTION	Expected to be of low toxicity. Swallowing may result in nausea, vomiting and/or diarrhoea.

DELAYED AND IMMEDIATE EFFECTS AND CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE	
ACUTE TOXICITY	Acute oral toxicity: LD50 rat: >5,000 mg/kg. Expected to be of low toxicity. Acute dermal toxicity: LD50 rabbit: >5,000 mg/kg. Expected to be of low toxicity. Acute inhalation toxicity: Not considered to be an inhalation hazard under normal conditions of use.
SKIN CORROSION/IRRITATION	Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning may clog the pores of the skin and may result in oil acne or folliculitis.
SERIOUS EYE DAMAGE/EYE IRRITATION	Expected to be slightly irritating.
RESPIRATORY/SKIN SENSITIZATION	Not expected to be a skin sensitiser.
ASPIRATION HAZARD	Not considered an aspiration hazard.
GERM CELL MUTAGENICITY	Not considered a mutagenic hazard.
CARCINOGENICITY	Not expected to be carcinogenic. Product contains oils of types shown to be non-carcinogenic in animal skin-painting studies. Highly refined oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).
REPRODUCTIVE TOXICITY	Not expected to impair fertility. Not expected to be a developmental toxicant.
SPECIFIC TARGET ORGAN TOXICITY SINGLE EXPOSURE	Not expected to be a hazard.
SPECIFIC TARGET ORGAN TOXICITY REPEATED EXPOSURE	Not expected to be a hazard.
Note: Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. All used oil should be handled with caution and skin contact avoided as far as possible.	

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	Ecotoxicological data has not been determined specifically for this product. Information is based on knowledge of the components and the ecotoxicology of similar products. Toxicity to Fish - Acute Toxicity: Expected to be practically non-toxic. Toxicity to Crustacea - Acute Toxicity: Expected to be practically non-toxic. Toxicity to Algae / Aquatic Plants - Acute Toxicity: Expected to be practically non-toxic. Toxicity to Fish - Chronic Toxicity: Data not available. Toxicity to Crustacea - Chronic Toxicity: Data not available. Toxicity to Microorganisms - Acute Toxicity: Data not available.
PERSISTENCE AND DEGRADABILITY	Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.
BIOACCUMULATIVE POTENTIAL	Contains components with the potential to bioaccumulate. Partition coefficient: n-octanol/water: Pow >6, based on information on similar products.
MOBILITY IN SOIL	Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.
OTHER ADVERSE EFFECTS	Product is a mixture of non-volatile components which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential. Poorly soluble mixture. May cause physical fouling of aquatic organisms. Not expected to cause chronic effects to aquatic organisms at concentrations less than 1 mg/L. Avoid release to drains, sewers, waterways and soil.

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT	Waste product should not be allowed to contaminate soil or groundwater or be disposed of into the environment. Where possible and permitted, recover or recycle unused material. Dispose of waste in accordance with applicable local, state and national laws and regulations. Spilled product that cannot be recovered should be absorbed with suitable absorbent material and placed into suitable labelled containers for disposal.
CONTAINERS	Dispose of contaminated packaging in accordance with prevailing regulations, preferably through a recognised collector or contractor. The competence of the collector or contractor should be established beforehand. Empty containers may contain product residues and should be handled with care. Do not allow container residues to enter drains, sewers, waterways, soil or groundwater.
UNCLEANED PACKAGING	Dispose of uncleaned packaging in accordance with applicable official regulations.
SPECIAL PRECAUTIONS FOR LANDFILL OR INCINERATION	No additional special precautions identified.

SECTION 14: TRANSPORT INFORMATION

NOT CLASSIFIED AS DANGEROUS GOODS BY ROAD, RAIL, SEA AND AIR.

U.N NUMBER	Not applicable.
U.N PROPER SHIPPING NAME	Not applicable.
TRANSPORT HAZARD CLASS	Not applicable.
PACKING GROUP	Not applicable.
ENVIRONMENTAL HAZARDS	Not classified as environmentally hazardous for transport.
MARINE POLLUTANT	No
SPECIAL PRECAUTIONS FOR USER	Avoid contact with skin and eyes. Keep containers securely closed and protected against damage. Prevent release to drains, sewers, waterways and soil.
HAZCHEM CODE	None allocated.
ADG / NZS 5433	Not regulated as a dangerous good.
IMDG	Not regulated as a dangerous good.
IATA	Not regulated as a dangerous good.
TRANSPORT IN BULK ACCORDING TO MARPOL AND IBC CODE	Not applicable for product as supplied.

SECTION 15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

Poisons Schedule:
Not scheduled.
Model Work Health and Safety Regulations – Scheduled Substances:
Not listed.
Australian Dangerous Goods Code:
Not regulated as Dangerous Goods by Road or Rail. Refer to Section 14.
Industrial Chemicals:
All components of this product are listed on the Australian Inventory of Industrial Chemicals (AIIC) or are exempted.
Australian Regulatory Information:
This product is not classified as hazardous under GHS criteria based on the supplier's finished mixture classification.
This product is classified as a Class C2 combustible liquid for storage and handling purposes.
New Zealand Regulatory Information:
Not classified as hazardous based on the available supplier classification information.
No New Zealand HSNO group standard has been assigned in this SDS.
Chemical Safety Assessment:
No chemical safety assessment has been provided for this mixture.

SECTION 16: OTHER INFORMATION

CHEMICAL EMERGENCIES

Australia: 13 11 26 Poisons Information Centre
New Zealand: 0800 764 766 National Poisons Centre
For transport or major spill emergencies, contact the applicable emergency response provider.

ABBREVIATIONS AND ACRONYMS

ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.
AICIS: Australian Industrial Chemicals Introduction Scheme.
AIIC: Australian Inventory of Industrial Chemicals.
CAS Number: Chemical Abstracts Service Registry Number.
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
HCIS: Hazardous Chemical Information System.
HAZCHEM: Emergency action code for dangerous goods incidents.
IARC: International Agency for Research on Cancer.
IATA: International Air Transport Association.
IBC: Intermediate Bulk Container.
IMDG: International Maritime Dangerous Goods Code.
IP346: Institute of Petroleum test method for determining DMSO extract in petroleum oils.
NZ EPA: New Zealand Environmental Protection Authority.
OEL: Occupational Exposure Limit.
SDS: Safety Data Sheet.
STEL: Short Term Exposure Limit.
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.
SWA: Safe Work Australia.
TWA: Time Weighted Average.
UN Number: United Nations Number.

BASE OIL CAS REFERENCES

"Varies" means the base oil may contain one or more of the following highly refined mineral oil components:
101316-69-2, 101316-70-5, 101316-71-6, 101316-72-7, 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64741-97-5, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-64-9, 64742-65-0, 64742-70-7, 68037-01-4, 68649-11-6, 68649-12-7, 72623-85-9, 72623-86-0, 72623-87-1, 74869-22-0, 90669-74-2.

KEY REFERENCES

Supplier Safety Data Sheet for Hydraulic Jack Oil, Product Code 5112, issued by Royal Precision Lubricants Pty Ltd.
Safe Work Australia, Model Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals.
Safe Work Australia, Hazardous Chemical Information System (HCIS).
Safe Work Australia, GHS 7 hazardous chemical classification and labelling guidance.
Australian Code for the Transport of Dangerous Goods by Road and Rail.
Therapeutic Goods Administration, current Poisons Standard / Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Australian Industrial Chemicals Introduction Scheme (AICIS) / Australian Inventory of Industrial Chemicals (AIIC).
New Zealand Environmental Protection Authority classification and hazardous substances guidance, where applicable.

REASON FOR ISSUE Revised SDS.

DISCLAIMER

The information in this Safety Data Sheet is based on data available to Kincrome Australia Pty Ltd at the date of issue and is believed to be correct at that date. The information is provided in good faith for health, safety and environmental purposes and does not constitute a product specification or warranty. Users should assess the suitability of the product for their intended use and ensure that it is handled, stored, transported and disposed of in accordance with applicable laws, regulations and workplace procedures. Kincrome Australia Pty Ltd may update product formulation, specification or characteristics without notice as part of ongoing product review and development. Users should ensure they hold the current version of this Safety Data Sheet.