

Javac MSDS Data Sheet

Product Name: JAVAC No. 15 Vacuum Pump Oil (suitable for CD 40 & JL 2.5)

Part No: 1 Litre S21501

5 Litre S21502

Date Issued: July 2011

Supplier Prod Code: 03003

Use: Very high viscosity index hydraulic oil.

Proper Shipping Name **None allocated**

UN No: **None allocated**

DG Class **None allocated**

Packing Group **None allocated**

HazChem Code: **None allocated**

Poisons Schedule: Not scheduled

CAS No: Not relevant

Physical Data:

Appearance & Odor: Clear and bright oily liquid. Mineral oil odor

Chemical Reactivity: Stable. Reacts with oxidizing agents

Chemical Stability: Stable under normal conditions

Melting Point Not available

Boiling Point IBP: Not Available FBP: Not Available

Vapor Pressure Not available

Specific Gravity 0.87°C @ 15°C

Flash Point 200°C (COC)

Flamm. Limit LEL Not available

Flammable Limit UEL Not available

Solubility in Water: Negligible

Vapor Density >1

Other Properties

Volatile Component Not available

Auto ignition Temp Not available

Evaporation Rate Not available

PH Value Not applicable

Viscosity Not available

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Vacuum &
Refrigeration
Process
Technology



Haz. Polymerization Will not occur
Material to avoid Strong oxidizing agents.

Ingredients

Ingredients Name	CAS	Proportion
Additives	Mixture	0-10%
Refined Mineral Oil (Complex Mixture Mixture of paraffinic, naphthenic and aromatic Hydrocarbons)		60-100%

Health Hazard Information:

Health Effects

Acute - Swallowed

May cause mild gastric irritation if swallowed

Acute - Eye

Product may cause slight to moderate irritation to the eyes.

Acute - Skin

Mildly irritating to the skin

Acute - Inhaled

Inhalation of the vapors (generated at elevated temperatures) or mists can cause irritation to the nose and throat.

Chronic

Prolonged or repeated skin contact may cause dermatitis due to defatting effect.

First Aid

Swallowed If swallowed, do NOT induce vomiting, seek medical advice.

Eye Flood eyes with plenty of water for 20 minutes. If irritation occurs seek medical advice.

Skin Remove contaminated clothing and wash skin thoroughly with soap and water.

Inhaled Remove affected person from contaminated area and seek medical advice. If not breathing apply artificial respiration and seek urgent medical advice

First Aid Facilities Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Health Hazard Information:

Exposure Limits

No exposure standards have been established for this material, however, the TWA National Occupational Health and Safety Commission (NOHSC) exposure standards for oil mist is 5 mg/m³ and a short term exposure limit (STEL) 10mg/m³ is recommended. As with all chemicals, exposure should be kept to the lowest possible levels.

Engineering Controls

Special ventilation is not normally required due to the low volatility of the product at normal temperatures. However, in the operation of certain equipment or at elevated temperatures, mists or vapour may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standard or where no exposure standard is allocated, as low as is reasonably practicable.

Personal Protection

Protective Equipment

Avoid contact with the skin and eyes, and avoid breathing vapors or mists. When exposure is likely, personal protective equipment in a combination appropriate to the degree and nature of exposure, should be selected from the following list:

Eye protection:

Safety glasses with side shields or chemical goggles as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection:

Impervious gloves recommended as appropriate. Final choice of appropriate glove type will vary according to individual circumstances, including methods of handling or engineering controls as determined by appropriate risk assessments. Refer to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

Respiratory Protection:

If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Body Protection:

Suitable work wear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

Where the concentration of vapour or mist is expected to approach the exposure limit, the following additional equipment is recommended: -

Short elevated exposures, eg spillage - goggles and correct respiratory protection should be worn.

NB. If the vapour/mist concentrations exceed the exposure limit by more than 10 times, air supplied apparatus should be used.

For prolonged elevated exposures - Full face air supplied or self contained breathing apparatus should be worn.

CONTAMINATION

If contamination occurs, change clothing and discard internally contaminated gloves and footwear. Launder contaminated clothing before reuse. Observe good personal hygiene.

Fire Hazards

Suitable Extinguishing Media: Use carbon dioxide, dry chemical or foam.

Hazards from Combustion Products: Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Specific Hazards: Combustible liquid. This product will burn if exposed to fire.

Precautions in connection with Fire: Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

Combustible liquid, will not burn unless preheated.

Refer to AS 1940 - Storage and handling of flammable and combustible liquids and AS 2865 - Safe working in a confined space, for more specific information on these subjects.

Hazardous Reaction

Reacts with oxidizing agents

Safe Handling Information

Storage and Transport

Precautions for Safe Handling: Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists or vapors in the atmosphere must be prevented. Avoid breathing in mists or vapors. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. Wear appropriate protection. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purposes of storage and handling. Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidizing agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Do NOT pressurize, cut, heat or weld containers as they may contain hazardous residues. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

Proper Shipping:

Transport Information Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road, Rail, Sea & Air

Storage and Transport Not classified as dangerous goods.

Spills and Disposal

Spills & Leaks

Extinguish or remove all sources of ignition and stop leak if safe to do so. Contain the spill with sand or earth and take up with a vacuum truck or absorb with absorbent material, sand or earth. Place used absorbent in suitable sealed containers for disposal.

Disposal Considerations Dispose of waste according to federal, E.P.A, State and local regulations. Assure conformity with all applicable regulations. Do not allow product to enter drains, sewers or water courses - inform the local authorities if this occurs.

Other Information:

Toxicology

Long term animal experiments have shown that any health risks are associated with the level of aromatic and polycyclic constituents in the product. These constituents are removed during the manufacturing process to a level at which no health risks are expected as a result of normal handling.

Information on Ecological Effects

Avoid contaminating waterways. Do not allow product to enter drains, sewers or water courses - inform the local authorities if this occurs.

References

For detailed advice on Personal Protective equipment, refer to the following Australian Standards:

HB 9	Occupational Personal Protection.
AS 1337	Eye protectors for industrial applications.
AS 1715	Selection, use and maintenance of respiratory protective devices.
AS 1716	Respiratory protective devices.

Contact point

National 24 hr Emergency Response: - 1800 651 818 – Refer to Product Code 03003

PLEASE NOTE that although every care has been taken in compiling the above information, it is solely reliant upon data available to us at the date hereof. We believe the data to be correct; however for the reason just stated we are not in a position to warrant its accuracy. With that in mind and given that the full range of possibilities and conditions under which the information may be applied simply cannot be anticipated, YOU ARE CAUTIONED to make your own determinations as to the veracity and the suitability of the information to the particular circumstances that apply, or may apply, to you from time to time. Consistent with that approach it is recommended that where you have a particular purpose which would necessitate a reliance on information of the nature herein you obtain your own independent expert advice particularly structured to the relevant purpose. If this material is printed, circulated, distributed or copied in any manner, it is not to be modified without prior written permission, and further, it is to include the wording of the above disclaimer.