

Javac MSDS Data Sheet

Product Name: Shark Vacuum Pump Oil
(suitable for Shark / CC Series / Minivac 2 models)

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Part No: 1 Litre VC2063
5 Litre VS4015



Date Issued: July 2008
Supplier Prod Code: 1334
Use: Straight Mineral Circulating Oil.
Classification: Not classified as hazardous according to the criteria of Worksafe Australia.

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
Product Use: Turbine for industrial and marine steam turbines

Physical Data:
Appearance & Odour: Amber liquid with a characteristic mineral oil odour.
Melting Point: -9°C
Boiling Point: Not available
Vapour Pressure: Not available
Specific Gravity: 0.86°C
Flash Point: 212°C
Flamm. Limit LEL: 1% v/v
Flammable Limit UEL: 10% v/v
Solubility in Water: Negligible.
Pour Point: Not available

Other Properties:
Volatile Component: Not available
Autoignition: Not available
Evaporation Rate: Not available
Vapour Density: Not available
PH Value: Not applicable
Viscosity: 5.3 cSt @ 100°C
Stability: Stable under normal conditions
Haz. Polymerization: Will not occur
Material to avoid: Strong oxidizing agents.

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Ingredients:

Ingredients Name	CAS	Proportion
Distillates, Petroleum, Solvent	64742-65-0	60-100 %
Dewaxed Heavy Paraffinic		
Alkyl phenol	Proprietary	0-1 % Balance
Ingredients determined not to be hazardous		

Health Hazard Information:

Health Effects:

Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
Ingestion	DO NOT induce vomiting. Immediately wash mouth out with water. Seek medical attention.
Skin	Remove contaminated clothing and wash before re-use. Wash thoroughly with soap and water. If irritation develops, seek medical attention.
Eye	If contact with the eye(s) occur, wash with copious amounts of water, holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops, seek medical attention.
First Aid Facilities	Eye wash and normal wash room 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. As with all chemicals, exposure should be kept to the lowest possible levels.

Engineering Controls:

Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

Personal Protection:

Protective Equipment:

Avoid contact with the skin and eyes, and avoid breathing vapours 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.

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Respiratory Protection:

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Body Protection:

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

Contamination:

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

Fire Hazards:

Suitable Extinguishing Media	Use carbon dioxide, dry chemical, foam or water mist.
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 Combustion Products Combustion products include oxides of carbon.

Hazardous Reaction Reacts with oxidising 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 vapours in the atmosphere must be prevented. Avoid breathing in mists or vapours. 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 ie. washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage

Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising 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 pressurise, 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. Reference should also be made to all State and Federal regulations.

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Proper Shipping: Transport Information

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

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.

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.

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 1334.

PLEASE NOTE that although every care has been taken in compiling the above information, it is solely reliant upon data available to JAVAC 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.