



SAFETY DATA SHEET

1. Product and Company Identification

Product Name: National Vacuum Pump Oil

Distributor: National Refrigerants of America Ltd.
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Hinckley
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2. Composition/Information on Ingredients

Chemical Nature: Hydrotreated heavy paraffin distillate of petroleum

3. Hazard Identification

THIS PRODUCT IS CONSIDERED AS NON-HAZARDOUS

4. First Aid Measures

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. Launder contaminated clothing. See doctor if irritation persists.

Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes lifting eyelids occasionally to facilitate irrigation. See doctor if irritation persists.

Inhalation: Immediately remove to fresh air. If breathing has stopped, give artificial respiration. Remove material from eyes, skin and clothing.

5. Ingestion: If swallowed, get medical help immediately. ONLY induce vomiting if instructed to do so by a physician. Never give anything by mouth to an unconscious person. Take person, product container and MSD to nearest medical emergency centre.

6. Fire Fighting Measures

Flash Point: 208°C

Flammable Limits: In Air (Estimated Volume) LEL: 0.9 UEL: 7.0

Extinguishing Media: Dry chemical. CO₂, Foam, Water fog, Water spray, sand/earth. Use water to keep fire-exposed containers cool.

Protection of the fire fighters: Wear a self-contained breathing apparatus and a protective suit.

7. Accidental Release Measures

Stop leak. Dike up large spills. Use inert absorbent material such as earth, sand or vermiculite for clean up. Keep product out of watercourses and sewers. Notify authorities if product has entered or may enter sewers, watercourses or extensive land areas.

8. Handling and Storage

Handling: Minimum feasible handling temperatures should be maintained.

Storage: Store in a cool, well-ventilated area and out of sunlight. Water contamination should be avoided.

9. Exposure Controls & Personal Protection

Potential Health Effects: Skin is the primary route of exposure.

Effects of Overexposure:

Eyes: Expected to cause no more than minor irritation. Avoid eye contact as good industrial practice.

Skin: Not a primary skin irritant but may cause skin irritation on repeated or prolonged contact.

Ingestion: May cause nausea. Not expected to be acutely toxic by ingestion.

Inhalation: Avoid breathing vapour or mist. Under normal use conditions this product is not an inhalation hazard. Prolonged exposure to vapours may cause dizziness and headaches.

There is no evidence that this product aggravates an existing medical condition.

Personal Protective Equipment

Skin Protection: Protective clothing such as coveralls or dustcoats should be worn. Launder or dry-clean when soiled. Gloves and boots resistant to chemicals and petroleum distillates required. Workers should wash their exposed skin several times daily with soap and water whilst working with the oil.

Remove and dry-clean or launder clothing soaked with this oil before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning to the potential hazards associated with handling contaminated clothing.

Respiratory Protection: Airborne concentrations should be kept to lowest levels possible. If vapour or mist is generated and the occupational exposure limit of the product, or any component of the product, is exceeded use the appropriate, approved air purifying or air-supplied respirator after determining the airborne concentration of the contaminant.

Occupational Exposure Limits: Permissible concentration of mineral oil in air is 5 mg/m³.

10. Physical and Chemical Properties

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|-------------------------|-------------------------------|
| Appearance: | Clear yellow coloured liquid. |
| Physical State: | Liquid |
| Vapour Pressure: | Not determined |
| Vapour Density: | > 5 (Air = 1.0) |
| Odour: | Petroleum Odour |
| Solubility in Water: | < 0.1%, negligible |
| pH | Neutral |
| Boiling Point: | |
| Melting/Freezing Point: | |

11. Stability and Reactivity

Stability: Stable at ambient temperature and under normal conditions of use.

Hazardous Polymerisation: None

12. Toxicological Information

Inhalation and Skin absorption health risks: Permissible concentration of mineral oil in air is 5 mg/m³.

Skin and Eye Contact: Prolonged contact may cause minor skin irritation.

If product is injected into or under the skin, the individual should be immediately evaluated by a physician.

13. Ecological Information

Behaviour in the environment: Mobility: Product is volatile when in aqueous solution.

14. Disposal Considerations

Prohibition: Do not allow the product to be released to the environment.

Destruction/Disposal: Disposed of at an approved special waste collection point.

Contaminated Packaging:

Container Destruction/Cleaning: Containers to be disposed of at an approved special waste collection point.

15. Transport Information

This product is considered as Non-Hazardous.

Air Transport (ICAO/IATA): Not regulated.

Sea Transport (IMDG): Not regulated.

Road Transport (ADR): Not regulated



16. Regulatory Information

Risk Phrases: No risk phrases.

Safety Phrases:

S24/25: Avoid contact with skin and eyes.

United Kingdom: Handle in accordance with relevant British Legislation e.g. Health and Safety at Work Act 1974, Environment Protection Act 1990.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable National, International and Local regulations or provisions.

17. Other Information

Uses: Lubricant

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