

PRODUCT NAME : SUPERGRADE A MECHANICAL PUMP OIL

1. Product and Company Identification

Product Name: Supergrade A Mechanical Pump Oil
Synonyms: Inland 19
Item Numbers : H019-00-001, H019-00-002, H019-00-003, H019-00-004, H019-00-005, H110--10-029

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2. Composition/Information on Ingredients

Ingredient	% Weight	Classification	Risk Phrase	CAS No
Solvent refined neutral paraffinic oil	100	Non Hazardous	Not Applicable	64742-65-0

3. Hazards Identification

EMERGENCY OVERVIEW

Pale yellow, flammable liquid with a faint petroleum odour, which may produce carbon monoxide as a product of incomplete combustion.

For short and long term exposure effects see Toxicological data section 11

Eye Effects: Exposure to oil mist may cause irritation to the eye.
Skin Effects: See note below
Oral Effects: See note below
Inhalation Effects: See note below

Acute effects : Exposure to the oil mists may cause nausea. Detailed studies have not been made, but the material is not expected to be dermatitic or a sensitiser.

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4. First Aid Measures

Eyes: Flush with water. Consult a physician.

Skin: Wash with soap and water

Inhalation: Remove to fresh air. Get medical advice is victim has stopped breathing.

Ingestion: If swallowed, do not induce vomiting. Small amounts in mouth may be washed out. Contact a physician.

Other Information: None

5. Fire Fighting Measures

Extinguishing Media: Water fog, chemical foam or carbon dioxide.

Fire and Explosion Hazard: Incomplete combustion may produce carbon monoxide

Special Protective Equipment for Fire Fighters: Wear self-contained breathing apparatus when fighting fire in confined spaces.

Hazardous Decomposition: Incomplete combustion may produce carbon monoxide.

For Flammability Properties - see section 9

6. Accidental Release Measures

Land Spill:

- Small Spill : May be wiped up with a rag.
- Large Spill : Prevent product from entering the soil, drains, sewers and watercourses. Pick up spill with a suitable adsorbent.
- If product spills to extensive land area. Contact your local authority for advice.

Water Spill: If product enters any water courses, sewers. Contact your local water authority for advice.

7. Handling and Storage

Handling: The product is unlikely to present a significant health hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

Storage: No special storage required. However, keep the product in a well ventilated dry atmosphere, Keep in the original containers.

8. Exposure Controls/Personal Protection

Exposure Limits

Ingredient	ACGIH - TLV *	OSHA - PEL	Occupational Exposure Limits EH40 (UK)
Solvent refined neutral paraffinic oil	TWA - 8hr - 5 mg/cubic metre	Not Available	Not Available

* The above data is the recommendation by the manufacturer for Oil mists.

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Personal Protection:

- Engineering Measures: As required to meet the limits stated above.
- Respiratory Protection: Wear a ventilator suitable to meet the limits shown above.
- Hand/Skin Protection: Wear gloves made of oil-impermeable rubber.
- Eye/Face Protection: Wear protective goggles with side shields.
- Hygiene Measures: Avoid contact with skin. DO NOT eat or smoke whilst using the product. Wash hands before eating or smoking.
- Other/General Protection: Wear an oil-impermeable rubber apron to avoid saturation of cloths due to splashing.
- Hazard : There is a possibility of explosion if you pump gases containing OXYGEN at a concentration greater than 4% above the proportion contained in air.
 - Precaution : Do not use mineral oil in conditions where the oil mist and an oxygen enriched atmosphere are in contact with an ignition source (such as a hot surface). Use an alternative pump fluid, such as PFPE, under these conditions

9. Physical and Chemical Properties

Appearance and Odour	Pale yellow liquid with a faint petroleum odour.	Boiling Point	>200 °C	>392 °F
pH (as supplied)	Neutral/value	Melting Point	N/A °C	N/A °F
Solubility in Water	Insoluble	Freezing Point	N/A °C	N/A °F
Volatile Content by Volume	0	Auto Ignition	N/K °C	N/K °F
Specific Gravity	0.87 gm/ml	Flash Point	>213 °C	>415 °F
Vapour Pressure (mbar)	N/A	Vapour Pressure (Torr)	<0.001 @ 77oF	
Flash Point Method	Cleveland Open Cup			

N/A = Not Available / N/K = Not Known

10. Stability and Reactivity

- Stability: Product is stable.
- Material/Conditions to Avoid: Avoid continuous exposure to temperatures >200°C/392°F. Avoid strong oxidisers.
- Hazardous Decomposition: Incomplete combustion may produce carbon monoxide.
- Hazardous Polymerisation: Polymerisation is unlikely.

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Toxicological Information

For a comprehensive description for the various toxicological (health) effects which may arise if the user comes into contact with the substance or preparation refer to Section 3 Hazards Identification.

Animal Data:

LD50 value: None set

LC50 value: None set

Tumorigenic : No

Reproductive : No

Mutagenic : No

Others : None

Carcinogenicity : No

12. Ecological Information

Elimination

Persistence	No data currently available
Degradability	No data currently available

Behaviour in the Aquatic Compartment

Mobility	No data currently available
Bioaccumulation	No data currently available

Ecotoxicity

Aquatic	No data currently available
Terrestrial	No data currently available

13. Disposal Considerations

Proper waste disposal procedures are dependent on the product's end-use, Check applicable local legislation governing treatment, storage and disposal of your effluents.

14. Transport Information

The product is not classified as dangerous in the meaning of transport regulations.

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PARAMETER	EUROPEAN	CANADIAN TDG	UNITED STATES DOT
Proper Shipping Name	Not Applicable	Not Available	Not Available
Hazard Class	Not Applicable	Not Available	Not Available
Identification Number	Not Applicable	Not Available	Not Available
Shipping Label	Not Applicable	Not Available	Not Available

15. Regulatory Information

European Regulatory Information

This product has been classified in accordance with the Dangerous Substances Directive (67/548/EEC, as amended) and the Preparations Directive (88/379/EEC, as amended), implemented in the UK as the Chemical (Hazard Information and Packing) Regulations 1994 (CHIP).

Dangerous to supply : This product is not classified as dangerous to supply.

Risk Phrases : Not Applicable

Safety Phrases : Not Applicable

Symbols : Not Applicable

United States Regulatory Information

Not Available.

Canadian Regulatory Information

Not Available

16. Other Information

None

Glossary : **CAS**, Chemical Abstracts Service. **TWA**, Time-Weighted Average. **STEL**, Short Term Exposure Limit. **NFPA**, National Fire Protection Association. **HMIS**, Hazardous Material Information Service. **LD**, Lethal Dose. **LC**, Lethal Concentration. **OSHA**, Occupational Safety and Health Administration, US department of Labour. **ACGIH**, American Conference of Governmental Industrial Hygienists.

Revisions

This document has been reformatted. Individual changes are not highlighted.

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