

WRL-M WIRE ROPE LUBRICANT

Product Description

WRL-M is a high-performance de-waterin type of wire rope lubricant. It is formulated from Mineral Base oil and selected petroleum solvent, which provides both enhanced de-watering and penetration properties making the product particularly suitable for use on wet ropes. It also makes the product suitable for spray application.

WRL-M provides positive lubrication and positive rust protection. Once applied it forms an elastic coating, enabling the surfaces to remain free of dirt and other contaminates. It can be removed with any standard solvent.

WRL-M also has extreme pressure and anti-wear additives which will ensure longer life to the wire rope as well as associated machinery.

It is simple to apply either manually or with automatic dispensing systems by spray, brush or drip application.

Application

It is formulated for marine applications where salt water presents a highly corrosive environment. WRL-M is designed for use on ropes operating in arduous environmental conditions on equipment such as hoists, drag lines, cranes and ships. In addition to wire ropes, it can be used as a protective coating for numerous other marine equipment on the docks, on ships or on drilling platforms. These would include anchors, bearings, buoys, piling, thread lubricants, chains, pulleys, gears and piping. Also, an ideal coating for storage compartment walls to prevent rust and corrosion.

For best results always apply WRL-M to clean and dry ropes.

Benefits

- Excellent de-watering properties.
- Excellent protection against corrosion making it suitable for use even in salt water environments.
- Full Penetration.
- Excellent Lubricating property thereby reducing wear.
- Non-Seasonal.
- Non-Messy Surface.
- Easy to Apply
- Keeps the surfaces free from dirt and other contaminates.

Typical Properties

Property	Test Method	Result
Appearance	Visual	Grey Fluid
Base Fluid Type	N/A	Mineral
Base Fluid Viscosity at 40°C	IP71	460 cSt
Thickener	N/A	Modified organic clay
Solids	N/A	MoS ₂ , Graphite
Solvent	N/A	Hydrocarbon
Flash Point	PMCC	225° C (Base Oil) / 62°C (Solvent)
NLGI Classification	IP50	00
4-Ball Weld Loa, KG	IP239	315
Temperature, °C	N/A	-30 to 155

Available Packs: 20, 50 and 210 Litres.

Shelf Life: 36 Months from manufacturing month.

All related specifications are meets or exceeds.

Due to continual product research and development, the information contained herein is subject to change without notification.

Typical Properties may vary slightly. The Material Safety Data Sheet (MSDS) are available upon request through our sales office.

1. PRODUCT AND COMPANY IDENTIFICATION

Product **WRL-M**
Supplier **PETRELPLUS INC.**
 One World Center, Tower One, 9th Floor, Senapati Bapat Marg, Lower Parel, Mumbai-400013, Maharashtra.
 Call # +91 22 6216 7072
 (Monday to Friday)
 Cell # +91 93522 25457
marketing@petrelplus.com
www.petrelplus.com

2. COMPOSITION

No harmful substances. Composition of base oils, thickener, solid lubricants and high-performance additives.

3. HAZARDS IDENTIFICATION

FIRE -Flammable at high temperature.
HEALTH
 Eye contact -May cause mild irritation to the eyes upon direct contact.
 Skin contact -Prolonged contact may defat the skin or can cause dermatitis.
 Inhalation -hazards.
 Ingestion -Harmful if swallowed.

4. FIRST-AID MEASURES

Inhalation -Remove person to fresh air. Seek medical help if discomfort persists.
 Ingestion -Do not induce vomiting. Seek medical support.
 Skin Contact -Immediately flush skin with plenty of water for at least 15 minutes.
 Eye Contact -Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

5. FIRE-FIGHTING METHODS

Extinguishing media -Use dry chemical powder or carbon di – oxide or foam.
 Special protective equipment -Positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURE

Personal protection - Adequate ventilation, gloves, goggles, overalls and boots.
 Environmental precautions - Avoid entry into water courses.
 Clean up method - Absorb on inert material.

7. STORAGE AND HANDLING

Handling - Impervious gloves & eye protection ensure good ventilation. Keep away from source of ignition.
 Storage - Store in a cool & dry place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection - Not required under normal conditions.
 Skin/hand protection - Impervious gloves, overalls, and boots.
 Eye protection - Use Goggles

9. TYPICAL PROPERTIES

Appearance - Grey Fluid
 NLGI - 00
 Thickener - Modified Organic Clay
 Solid Lubricant -MoS₂, Graphite

10. STABILITY AND REACTIVITY

Stability - Stable
 Conditions to avoid - Excessive temperatures
 Materials to avoid - Strong oxidizers
 Hazardous decomposition products - Oxides of carbon and nitrogen



11. TOXICOLOGICAL INFORMATION

Skin contact	- Possible irritation
Eye contact	- Possible irritation
Inhalation	- Not applicable
Ingestion	- Irritation. May cause lung damage.
Long term effect	- Not known

12. ECOLOGICAL INFORMATION

Mobility	- Mobile
Degradation	- Low
Accumulation	-Not expected
Short- & Long-Term effect	- Water pollutant

13. DISPOSAL CONSIDERATIONS

Dispose off according to local and national regulations.

14. TRANSPORT INFOMRATION

CPL	- Not applicable
IMO	-Not applicable

15. REGULATORY INFORMATION

Symbol(s)	-Not applicable
Phrase(s)	- Not applicable
Phrase(s)	- Not applicable

16. OTHER INFORMATION: PRODUCT SAFETY

For safety reasons, it is IMPERATIVE that customer: -Ensure that all those within their control who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions or warning.