



ERA OILFIELD
SERVICES lubricants

PRODUCT DESCRIPTION INFORMATION

Designed with less than 70% mineral oil content as a barium complex high performance grease.

Its function is to provide excellent adherence (XT = Extra Tacky) to drill rods during mineral mining operations to reduce drilling torque and the adverse effects of twist off.

It will not wash off and is water resistant even at elevated temperatures and pressures thereby maintaining its effectiveness over long periods of time.

The following description provides detailed information on composition, toxicity, ecological and environmental standards, chemical stability and properties, transportation considerations,

All ingredients are identified under CAS regulations.

The product meets the international standards and regulations as listed below:

- ASTM (American Society for Testing and Materials)
- CAS (Chemical Abstracts Service)
- TSCA (United States Toxic Substances Control Act)
- EINECS (EU Inventory Existing Chemical Substances)
- DSL (Canadian Domestic Substances List)
- IECSC (China Inventory of Existing Chemical Substances)
- NZIOC (New Zealand Inventory of Chemicals)
- PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- KECI (Known Existing and Evaluated Chemical Substances)
- AICS (Australian Inventory of Chemical Substances)
- IATA / ADR / ICAO / IMDG / CODE / REACH
- OSHA / NIOSH

ERA Oilfield
Services

lubricants

66/69 Moo 4, Soi 17, Phayun, Ban
Chang, Rayong, Thailand
21130
Phone: +66 8 4345 8730
www.info@eraoilfieldservices.com



XT - Rod
Grease

ERA XT-Rod Grease (XTRG)

Product Information

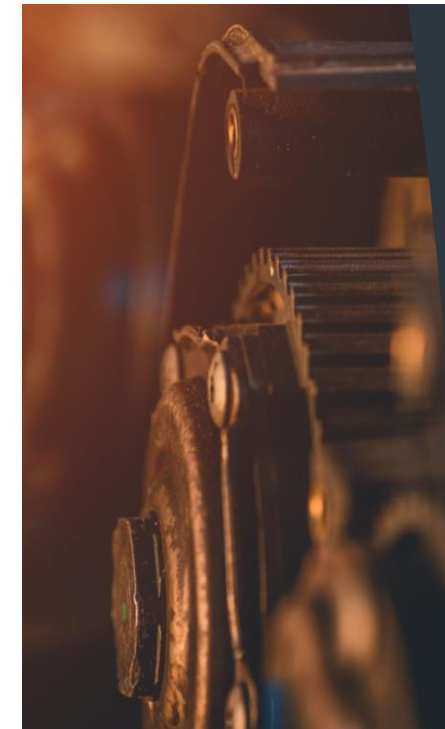
- Cost effective
- Easy application
- Easy storage
- Reduces drilling torque
- Reduces drilling vibration
- High adherence to drill rods
- Water proof
- Chemically stable

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It will not wash off and is water resistant even at elevated temperatures and pressures thereby maintaining its effectiveness over long periods of time.

Easy to use during operations it requires no special application considerations and can be stored safely under normal conditions.



Ecological Data

- This product is classified as NON HAARDOUS.
- No specific ecological testing data is available for this product.
- Data only available for composition components
- Do not allow this product into waterways and sewers
- Apply and use only for the specific purpose which the product is designed
- Dispose of the product responsibly and in line with regulations and laws.

Transport Data

- Air transport (ICAO/IATA/DGR) - not regulated
- Road Transport (UN-ADR) - not regulated
- Sea Transport (IMDG - CODE) - not regulated

Technical Data

Composition

- Mineral Oil 68%
- Barium 20%
- Hydroxy Stearic Acid 4 %
- Napthenic Petroleum Distillates 6 %
- PTFE 1 - 2 %

CAS number

- Mineral Oil 64742-01-4
- Barium 7440-39-3
- Hydroxy Stearic Acid 106-14-9
- Napthenic Petroleum Distillates 64742-52-5
- PTFE 9002-84-0

GHS hazard class

- Non Hazardous

Physical and chemical properties

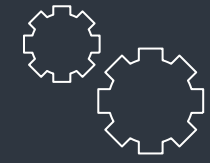
- Yellow grease (ASTM D156)
- Odourless
- Working penetration = 285 (ASTM D217)
- Evaporation loss = <2 % Wt (ASTM D972)
- Dropping Point = 300 C (ASTM D2265)
- Maximum non seize load = 1234 PB N (ASTM D2783)
- Flash Point = >220 C

Chemical Stability

- Chemically stable.
- Non reactive under recommended storage and handling conditions
- Incompatible with strong acids, strong oxidising agents and strong bases
- Do not store in direct sunlight
- Do not expose to open fire
- Decomposition may produce carbon dioxide, water vapour, Incomplete combustion may produce carbon monoxide.

Toxicological Information

- Non Toxic
- Skin Irritation Mild under Standard Draize Testing
- Eye Irritation Mild under Standard Draize Testing
- Respiratory Sensitisation Effects - None
- Skin Sensitisation Effects - None
- Carcogenicity Effects - None
- Reproductive Toxicity - None
- Neurotoxicity - None recorded at standard operating temperatures.



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CONTACT US

CONTACT US VIA WEB:

WWW.ERAOILFIELDSERVICES.COM

CONTACT US VIA EMAIL:

INFO@ERAOILFIELDSERVICES.COM
JIM.REID@ERAOILFIELDSERVICES.COM

CONTACT US VIA PHONE:

+66 8 4345 8730

