



ERA OILFIELD  
SERVICES lubricants

## PRODUCT DESCRIPTION INFORMATION

Designed with less than 50% mineral oil content and upto 50% zinc compounds blended into the final smooth creamy paste.

Its function is to provide rust and corrosion protection to drilling rod and tool threads under extreme pressure and ambient conditions.

Easily stored under normal ambient conditions with a long shelf life of 3 years this thread grease is easily applied required no special applicators.

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

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DT-Zn50 **Thread  
Grease**

# ERA - DT-Zn50 Thread Grease

## Product Information

- Cost effective
- Dark Grey in colour
- Easy Application
- Non Hazardous
- Non flammable
- High Pressure Applications
- Safely handled
- Safely stored
- Chemically stable

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## Ecological Data

- Aquatic - non hazardous
- Bioaccumulation - low effects
- Soil Mobility - No data
- Environmental release - non toxic

## 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 45- 50%
- Zinc Oxide 40 - 45%
- Silicon Dioxide 10 - 15%
- PTFE 1 - 9 %
- Polyethylene Glycol 0.1 - 0.9%

### CAS number

- Mineral Oil 8020-83-5
- Zinc Oxides 7440-66-6
- PTFE 9002-84-0
- Silicon Dioxide 112945-52-5
- Polyethylene Glycol 25322-68-3

### GHS hazard class

- Non Hazardous Substance or mixture

### Physical and chemical properties

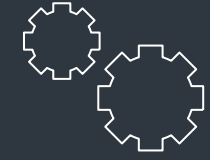
- Dark Grey Colour Grease Paste (ASTM D156)
- Odourless
- Non Working penetration = 289 (ASTM D217)
- Kinematic Viscosity at 40C = 185 (ASTM D445)
- Dropping Point = 340 C (ASTM D2265)
- Solubility = Insoluble in water
- Flash Point = >202 C (ASTM D92)
- Operating Temperature = -30 to +180 C (ASTM D4084)

### 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
- Does not produce hazardous substances during decomposition

### 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



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