

MATERIAL SAFETY DATA SHEET

1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: RD-N™ **Manufacturer/Supplier:** JET-LUBE (UK) LIMITED
Chemical Family: Synthetic based lubricating oil **Address:** Reform Road, Maidenhead, Berkshire, SL6 8BY, UK
Use: Rock drilling lubricant **Telephone:** 01628 631913 **Fax:** 01628 773138
Emergency Telephone: 07919 488301

2) HAZARDS IDENTIFICATION

Main Hazards - Health Effects

Eyes: May cause irritation.
Skin: Possible rash for persons with sensitivity
Inhalation: Possible lung damage if inhaled
Ingestion: May cause diarrhoea

3) COMPOSITION/INFORMATION OF INGREDIENTS

Hazardous Components	CAS No	WT%	OSHA PEL	ACGHI TLV	Other
Nonhazardous Blend of Synthetic esters	UN	100	UN	UN	UN

4) FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists seek medical help.
Skin: Wash thoroughly with hand cleanser, followed by soap & water contaminated clothing should be dry cleaned before reuse
Inhalation: Clear air passage and seek medical help, if respiratory continues.
Ingestion: Do not induce vomiting. Consult physician.

5) FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, carbon dioxide, sand earth & water mist
Unsuitable Exting. Media: Water jet
Protective Equipment for Fire-fighting: Self contained breathing apparatus.

6) ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear gloves & protective overalls
Environmental Precautions: Do not allow it to enter drains or watercourses.
Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth or sand.

7) HANDLING AND STORAGE

Handling: No special handling precautions necessary.
Storage: Do not store at elevated temperatures.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

Hand Protection: Protective gloves for sensitive persons.
Eye Protection: Glasses, if applied to parts in motion.
Body Protection: Overalls.
Respiratory Protection: None needed.

9) PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Fluid **Colour:** Clear **Odour:** Sharp **pH:** Neutral
Boiling Range/Point (°C): 316 **Melting Point (°C):** None
Flash Point (PMCC) (°C): 221 **Autoignition Temp (°C):** 260
Explosive Properties: LEL: UN UEL: UN
Evaporation Rate (Butyl Acetate): <0.01 **Partition Coefficient (Log Pow):** N/A
Vapour Pressure: <0.01 **Density (Kg/dm³):** 0.94
Percent Volatiles: Nil **Flammability:** Not flammable at ambient temperature.
Oxidising Properties: None **Solubility in Water:** None
Vapour Density: >5 **OAR Value:** N/A

10) STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions. No photoreactive agents.
Conditions to Avoid: Powerful sources of ignition and extreme temperatures
Materials to Avoid: Strong inorganic & organic acids & oxidising agents.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon and nitrogen. Residue mainly comprised of soot & mineral oxides.

11) TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known **Irritancy-skin:** Very mild **Skin Sensitisation:** Not known
Subacute/Sub-chronic Toxicity: Not known **Genotoxicity:** None known
Chronic Toxicity: None known **Allergens:** None known
Carcinogen: NTP: No **IARC:** No **OSHA:** No **EC Classification (67/548/EEC):** No
LC-50: >4000mg/kg - extrapolated from component data. **LD-50:** Not applicable

12) ECOLOGICAL INFORMATION

Possible Effects: None known
Behaviour: Bioaccumulation potential nil.
Environmental Fate: Highly unlikely to cause notable contamination. Nontoxic to marine or land organisms.

13) DISPOSAL CONSIDERATIONS

Product Disposal: Don't incinerate. Contact waste disposal company/local authority for advice.
Container Disposal: Pails -see product disposal section above.

14) TRANSPORT INFORMATION

Not classified as hazardous for transport.

15) REGULATORY INFORMATION

Labelling Information: None needed **EC Annex 1 Class:** NA
R Phrases: R22 Harmful if swallowed **S Phrases:** None applicable as shown

16) OTHER INFORMATION

Date of Original Issue: 24 July 1997 **Date of this Revision:** 10th Nov 2008
Revision No: 2BR **Revised sections:** Disclaimer.

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