

MATERIAL SAFETY DATA SHEET

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

Product Name: POW'R-KOTE ® **Manufacturer/Supplier:** JET-LUBE (UK) LIMITED
Chemical Family: Petroleum based lubricating grease. **Address:** Reform Road, Maidenhead, Berkshire, SL6 8BY, UK
Use: Tool joint and drill collar compound **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: Viscous nature may block breathing passages if inhaled.
Ingestion: May cause diarrhoea.

3) COMPOSITION/INFORMATION OF INGREDIENTS

Components	CAS No	WT%	OSHA PEL	ACGHI TLV	Other
Lubricating grease	48692-21-9	70-75	5mg/m ³ (Oil mist)		*
Graphite	7440-44-0	10-12	2mg/m ³ (As dust)		
Calcium carbonate	471-34-1	8-10	10mg/m ³ (As dust)		
Mica	12001-26-2	5-6	6mg/m ³ (As dust)		
Moly. disulphide	1317-33-5	3-4	15mg/m ³ (As dust)		

* Base oil DMSO to IP346<3% so carcinogen warning does not apply

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. If respiratory difficulty continues, seek medical help.
Ingestion: Wash out mouth immediately. Consult physician.

5) FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, carbon dioxide, sand, earth or water mist.
Unsuitable Extinguishing 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. Place in sealed container.

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: Semisolid paste **Colour:** Opaque black **Odour:** Petroleum
Boiling Range/Point (°C): >316°C **Melting Point (°C):** 199°C
Flash Point (PMCC) (°C): 221°C **Autoignition Temp (°C):** >260°C
Explosive Properties: LEL: 0.9% UEL: 7% **Evaporation Rate (Butyl Acetate):** <0.01
Partition Coefficient (Log Pow): N/A **Vapour Pressure:** <0.01 **Density (Kg/dm³):** 1100
Percent Volatiles: Nil **Flammability:** Not flammable at ambient temperature.
Oxidising Properties: None **Solubility in Water:** Nil **Vapour Density:** >5

10) STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions.
Conditions to Avoid: Powerful sources of ignition and extreme temperatures.
Materials to Avoid: Strong inorganic & organic acids, oxidising.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulphur, and nitrogen. Residue mainly comprised of soot & mineral oxides.

11) TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known. **Chronic Toxicity:** None known. **Irritancy-Skin:** Very mild.
Skin Sensitisation: Not known. **Subacute/Sub-chronic Toxicity:** Not known.
Genotoxicity: None known. **EC Classification (67/548/EEC):** No.
Carcinogen: NTP: No. **IARC:** No. **OSHA:** No.
LC-50: >2000mg/l (extrapolated from component data). **LD-50:** Not applicable.

12) ECOLOGICAL INFORMATION

Possible Effects: In extreme cases, may generate oil fractions that could act as a marine pollutant. Potential of this occurrence is highly unlikely.
Behaviour: Bioaccumulation potential nil.
Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms.

13) DISPOSAL CONSIDERATIONS

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.
Container Disposal: Pails may only be disposed of via standard waste disposal authority or reused.

14) TRANSPORT INFORMATION

Not classified as hazardous for transport.

15) REGULATORY INFORMATION

Labelling Information: None needed.
R Phrases: R22 Harmful if swallowed
S Phrases: None, as known

16) OTHER INFORMATION

Date of Original Issue: July 11, 1996 **Date of this Revision:** 23rd Dec 2009
Revision Number: 2BR **Revised Sections:** 3, composition

The information in this safety data sheet has been prepared with due care and is true and accurate to the best of our knowledge. Jet-lube UK shall not be held responsible for the suitability of this information for the user's intended purposes or the consequences of such use, and shall not be liable for any damage or loss, howsoever arising, direct or otherwise.