

MATERIAL SAFETY DATA SHEET

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

Product Name: KILN GREASE
Chemical Family: Hi-temp lubricating grease
Use: Equipment lubrication

Manufacturer/Supplier: JET-LUBE (UK) LIMITED
Address: Reform Road, Maidenhead, Berkshire, SL6 8BY, UK
Telephone: 01628 631913 **Fax:** 01628 773138
Emergency Telephone: 07919488301

2) HAZARDS IDENTIFICATION

Main Hazards - Health Effects

Eyes: May cause irritation
Skin: May cause irritation on people with sensitive skin after prolonged periods of contact
Inhalation: No vapour that can be inhaled, but direct introduction of the bulk into breathing passages could cause suffocation
Ingestion: May cause diarrhoea

3) COMPOSITION/INFORMATION OF INGREDIENTS

| Hazardous Components | CAS No | WT% | OSHA PEL | ACGIH TLV | Other |
|----------------------|------------|-------|-------------------------------|------------------|-------|
| Lubricating grease | 74869-21-9 | 88-93 | 5mg/m ³ (Oil mist) | DMSO to IP346<3% | |
| Calcium carbonate | 471-34-1 | 4-6 | 10mg/m ³ (As dust) | | |

4) FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. Seek medical advice if irritation persists
Skin: Wash thoroughly with hand cleanser, followed by soap and water. Contaminated clothing should be dry cleaned before use
Inhalation: Clear air passage, seek medical help if breathing difficulty continues
Ingestion: Do not induce vomiting. Seek medical advice

5) FIRE FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, foam, dry powder, 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 and protective overalls when handling large quantities
Environmental Precautions: Do not allow into drains or watercourses.
Spillage: Use oil absorption granules to absorb the bulk or a rag for small quantities, clean residue with floor cleaner and water.

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 moving parts in motion
Body Protection: Overalls
Respiratory Protection: None needed

9) PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Grease **Colour:** Green **Odour:** Petroleum
Boiling Range/Point (°C): >316 **Melting Point (°C):** 260
Flash Point (PMCC) (°C): >221 **Autoignition Temp (°C):** >260
Explosive Properties: **LEL:** 0.9% **UEL:** 7%
Evaporation Rate (Butyl Acetate): <0.01 **Vapour Pressure:** <0.01
Density (Kg/dm³): 0.94 **Percent Volatiles:** Below measurable limits
Flammability: Not flammable at ambient temperatures
Oxidising Properties: None **Solubility in Water:** Virtually nil **Vapour Density:** <5

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 and organic acids and oxidising agents
Hazardous Decomposition Products: Burning generates smoke, airborne soot and Carbon oxides. Residue mainly comprised of soot and oxides

11) TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known **Irritancy-Skin:** Very Mild **Skin Sensitisation:** Not Known
Subacute/Subchronic Toxicity: Not Known **Genotoxicity:** None Known **Allergens:** None Known
Carcinogen: NTP: No **IARC:** No **OSHA:** No **EC Classification (67/548/EEC):** No
LC-50: >2000mg/kg (extrapolated from component data) **LD-50:** NA

12) ECOLOGICAL INFORMATION

Possible Effects: In extreme cases, may generate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly unlikely
Behaviour: Relatively well behaved. Bioaccumulation potential nil
Environmental Fate: Unlikely to cause widespread contamination. Nontoxic to marine or land organisms

13) DISPOSAL CONSIDERATIONS

Product Disposal: Do not incinerate. Contact local waste authority for advice
Container: Plastic pots - Contact local waste authority for advice

14) TRANSPORT INFORMATION

Not classified as hazardous for transport

15) REGULATORY INFORMATION

Labelling Information: None needed
R Phrases: R22 Harmful if swallowed
S Phrases: S45. In case of accident or if you feel unwell, seek medical help and show this label.

16) OTHER INFORMATION

Date of Original Issue: 21/01/05 **Date of this Revision:** 22nd July 2008
Revision No.: 2BR **Revised Sections:** 1 tel, 16 disclaimer
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