

MATERIAL SAFETY DATA SHEET

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

Product Name: NUCLEAR NON-METALLIC
Chemical Family: Synthetic grease anti-seize
Use: Anti-seize lubricant

Manufacturer/Supplier: JET-LUBE (UK) LIMITED
Address: Reform Road, Maidenhead, Berkshire,
SL6 8BY, UK
Telephone: 01628 631913 **Fax:** 01628 773138
Emergency Telephone: 07919 488301

2) HAZARDS IDENTIFICATION

Main Hazards - Health Effects

Eyes: May cause Irritation
Skin: May cause irritation on people with sensitive skin
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	40-50	5mg/m ³ (Oil mist)	DMSO to IP346<3%	
Graphite	7782-42-5	15-20	5mg/m ³ (As dust)		
Kaolin clay	1332-58-7	10-12	5mg/m ³ (As dust)		
Mica	12001-26-2	6-7	6mg/m ³ (As dust)		
Polybutene	9003-29-5	12-16	Not established		

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; wear protective overalls when handling large quantities
Environmental Precautions: Do no allow into drains or watercourses
Spillage: Use oil absorption granules or sand to absorb the bulk or a rag for small quantities, clean residue with floor cleaner and water. Do not allow run-off into the drains

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, if handling quantities more than 500ml
Respiratory Protection: None needed

9) PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semisolid Paste **Colour:** Grey **Odour:** Mild petroleum
Boiling Range/Point (°C): >165 **Melting Point (°C):** Non-Melt
Flash Point (PMCC) (°C): >149 **Autoignition Temp (°C):** >221
Explosive Properties: LEL: 0.9 UEL: 7
Evaporation Rate (Butyl Acetate): <0.01 **Vapour Pressure:** <0.01
Density (Kg/dm³): 1.1 **Percent Volatiles:** Below measurable limits
Flammability: Not flammable at ambient temperatures
Oxidising Properties: None **Solubility in Water:** 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 N/A Suspected No IARC: No **OSHA: CHIP Classification:** **LC-50:** Unknown
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: Contact local waste authority for advice
Container Disposal: Recycle as steel if clean and empty; if not, Contact local waste authority for advice

14) TRANSPORT INFORMATION

Not classified as hazardous for transport

15) REGULATORY INFORMATION

Labelling Information: **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.
Symbols (If required):

16) OTHER INFORMATION

Date of Issue: 11th June 2005 **Revision Date:** 11th Nov 2008
Revision No: 5BR **Revised sections:** – 1 tel, 16 disclaimer

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