

MATERIAL SAFETY DATA SHEET

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

Product Name: 550®
Chemical Family: Anti-Seize (MIL-A-907E) and Lubricant
Use: Equipment lubrication, lubricant for threaded connections or slides

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: Possible rash for persons with sensitivity.
Inhalation: Viscous nature may block breathing passages if inhaled.
Ingestion: May cause diarrhoea.

3) COMPOSITION/INFORMATION OF INGREDIENTS

550 is not classified as hazardous according to the CHIP regulations

Components	CAS No	WT%	OSHA PEL	ACGHI TLV	Other
Lubricating grease	748692-21-9	60-70	5mg/m ³ (As mist)		*
Calcium carbonate	471-34-1	8-10	10mg/m ³ (As dust)		
Graphite	7440-44-0	8-10	2mg/m ³ (As dust)		
Zinc oxide	1314-13-2	8-10	10mg/m ³ (As dust)		R50/53
Molybdenum Disulphide	1317-33-5	4-5	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 and water. Contaminated clothing should be dry cleaned before reuse.
Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help.
Ingestion: Do not induce vomiting. Seek medical help.

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 and protective overalls.
Environmental Precautions: Do not allow product to enter drains or watercourses.
Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, soak up remaining residue with inert material such as 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: Goggles, if applied to parts in motion.
Body Protection: Overalls.
Respiratory Protection: None needed.

9) PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semisolid paste **Colour:** Grey **Odour:** Petroleum **pH:** Neutral
Boiling Range/Point (°C): 316 **Melting Point (°C):** 232
Flash Point (PMCC) (°C): 221 **Autoignition Temp (°C):** 260
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):** 1.19
Percent Volatiles: Nil **Flammability:** Not flammable at ambient temperature.
Oxidising Properties: None **Solubility in Water:** Slight **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 and organic acids, oxidising.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon and sulphur. Residue mainly comprised of soot and metal 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. **LD-50:** Not applicable
Genotoxicity: None known. **EC Classification (67/548/EEC):** No. **Allergens:** None known.
Carcinogen: NTP: No. **IARC:** No. **OSHA:** No. **LC-50:** >2000-mg/l extrapolated from component data

12) ECOLOGICAL INFORMATION

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

13) DISPOSAL CONSIDERATIONS

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.
Container Disposal: Plastic pots - see Product Disposal section above.

14) TRANSPORT INFORMATION

ADR/RID Class 9 Packing group III. UN number 3077. Label 9
Hazard ID No 90 Name. Environmentally hazardous substance, solid, n.o.s. (Zinc)
IMDG Class 9 Packing group III. UN number 3077. Label 9
Hazard ID No 90 Name. Environmentally hazardous substance, solid, n.o.s. (Zinc)
ICAO/IATA Class 9 Packing group III. UN number 3077. Label 9
Hazard ID No 90 Name. Environmentally hazardous substance, solid, n.o.s. (Zinc)

15) REGULATORY INFORMATION

Labelling information: N: Environmental symbol, Hazard label Class 9
EC Annex 1, part 2, cat 9a
R phrases: R22 harmful if swallowed R50/53 Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. **S phrases:** S61 Avoid release to the environment.

16) OTHER INFORMATION

Date of Original Issue: 8th December 1999 **Date of this Revision:** 8th Jan 2010
Revision No: 4BR **Revised sections:** 14 transport, 15 labelling

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