

# MATERIAL SAFETY DATA SHEET

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

**Product Name:** GEAR GUARD™ Aerosol  
**Chemical Family:** Petroleum based lubricating oil  
**Use:** Open gears, wire rope and chain 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:** For sensitive persons, may irritate the skin after prolonged periods of contact.  
**Inhalation:** Do not inhale vapour. Ensure adequate ventilation.  
**Ingestion:** May cause diarrhoea

## 3) COMPOSITION/INFORMATION OF INGREDIENTS

Hazardous Components	CAS No	EC No	WT%	OSHA PEL	ACGIH TLV	Other
Hydrocarbon resin	Proprietary	Proprietary	20-30	3mg/m <sup>3</sup> (As mist)	3mg/m <sup>3</sup>	
Propellant A70	68476-86-6	-----	20-30	1,000ppm	800ppm	
Trichloroethylene	79-01-6	201-167-4	15-20	1,000ppm	1,000ppm	
Graphite	7440-44-0	231-153-3	8-10	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	
Petroleum oil	64741-96-4	265-097-6	2-5	5mg/m <sup>3</sup> (Oil mist)	10mg/m <sup>3</sup>	
Molybdenum disulphide	1317-33-5	215-263-9	2-5	5mg/m <sup>3</sup>	10mg/m <sup>3</sup>	

## 4) FIRST AID MEASURES

**Eyes:** Flush with water until all residual 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:** Remove to open air. If respiratory difficulty continues, seek medical help.  
**Ingestion:** Do not induce vomiting. Seek medical assistance.

## 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, soak 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.  
**Eye Protection:** Glasses, if applied to parts in motion.  
**Body Protection:** Overalls.  
**Respiratory Protection:** None needed with adequate ventilation.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Semi viscous fluid  
**Boiling Range/Point (°C):** Aero 74  
**Explosive Properties:** LEL: Aero 8% UEL: Aero 10.5%  
**Evaporation Rate (Butyl Acetate):** Aero >5.0%  
**Vapour Pressure:** <100  
**Percent Volatiles:** Aero 37  
**Oxidising Properties:** None

**Colour:** Black  
**Odour:** Solvent  
**pH:** Neutral  
**Melting Point (°C):** UN  
**Autoignition Temp (°C):** UN  
**Partition Coefficient (Log Pow):** N/A  
**Density (kg/dm<sup>3</sup>):** 1.1  
**Flammability:** Flammable at ambient temperature  
**Solubility in Water:** Nil  
**Vapour Density:>1 OAR Group** Aero 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 & organic acids, oxidising agents.  
**Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon and sulphur, nitrogen and phosphorus. Residue mainly comprised of soot.

## 11) TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Not known  
**Subacute/Sub-chronic Toxicity:** Not known  
**Chronic Toxicity:** None known  
**Carcinogen:** NTP: No  
**LC-50:>2000mg/kg**-extrapolated from component data.

**Irritancy-Skin:** Very mild  
**Genotoxicity:** None known  
**Allergens:** None known  
**IARC:** No  
**EC Classification (67/548/EEC):** No.  
**LD-50:** Not applicable

## 12) ECOLOGICAL INFORMATION

**Possible Effects:** May generate oil fractions that could act as a marine pollutant.  
**Behaviour:** Bioaccumulation potential nil.  
**Environmental Fate:** Harmful to aquatic organisms.

## 13) DISPOSAL CONSIDERATIONS

**Product Disposal:** Do not incinerate. Contact waste disposal company or local authority for advice.  
**Container Disposal:** Consult local authority for advice.

## 14) TRANSPORT INFORMATION

**UN No:** 1950  
**Air Transport (ICAO & IATA):** Class 2.1  
**Road & Rail Transport (ADR/RID):** Class 2.1

**Proper shipping name:** Aerosols, flammable  
**Sea Transport (IMO & IMDG):** Aerosol Class 2.1  
**Packing group:** N/A

## 15) REGULATORY INFORMATION

**Labelling Information:** Extremely flammable liquid N.O.S./Aerosols  
**R Phrases:** R12 Extremely flammable.R20/22 Harmful by inhalation and if swallowed  
R67 Vapours may cause drowsiness and dizziness.  
**S Phrases:** S2 Keep away from children S3 Keep in a cool place.  
S51 Use only in well-ventilated areas.  
**Symbols (If Required):** F, Flame Symbol X, Harmful

## 16) OTHER INFORMATION

**Date of Original Issue:** 11 December 1997  
**Revision No:** 4BR

**Date of this Revision:** 8<sup>th</sup> Jan 2010  
**Revised Sections:** 14 trans , 15 labelling

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