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## HI LOAD GREASE

### SECTION 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY / UNDERTAKING

- 1.1 Product name:** Hi Load Grease  
**1.2 Identified use(s):** Lubricant, general machinery  
**Use(s) advised against:** None known.  
**1.3 Details of supplier of SDS:** New Tech Lubes Ltd, Unit 2-4 Harrison Drive Ind Est, Worksop Notts, S81 9RL  
**E Mail (competent person):** [info@newtechlubes.com](mailto:info@newtechlubes.com)  
**1.4 Emergency telephone:** +44 (0)1909 730900 (08.00 -16.00 GMT Monday to Friday)

### SECTION 2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance/mixture:** Not classified.  
**2.2 Label elements:** Not classified.  
**2.3 Other hazards:** The mixture does not contain any vPvB or PBT substances.  
Human health: Prolonged skin contact may cause temporary irritation. Vapours may cause drowsiness or dizziness.  
Environment: The product is not expected to be hazardous to the environment.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 Substance:** N/A  
**3.2 Mixture:** Blend of severely hydrocracked mineral oil, thickener, molybdenum disulphide and graphite.

### SECTION 4. FIRST AID MEASURES

- 4.1 Description of first aid measures:**  
Skin contact: Wash with soap and water.  
Eye contact: Wash out all residual material with water. Bathe eye with running water for several minutes. If irritation continues seek medical advice.  
Inhalation: Unlikely due to low volatility of product. If inhaled move to fresh air and seek medical advice.  
Ingestion: Wash mouth with water. Do not induce vomiting, seek medical advice.  
**4.2 Most important symptoms and effects, both acute and delayed:** N/A  
**4.3 Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

### SECTION 5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing media:**  
Suitable extinguishing media: Use foam, dry powder, sand or earth.  
Unsuitable extinguishing media: Water jet.

**5.2 Special hazards arising from the substance or mixture:** This product may give rise to hazardous fumes in a fire.

**5.3 Advice for fire fighters:** Wear self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:** Wear suitable protective equipment as in section 8.

**6.2 Environmental precautions:** Prevent from entering drainage systems or water courses.

**6.3 Methods and material for containment and clearing:** Apply suitable absorption media, scrape up in bulk and transfer into suitable containers for recovery or disposal. Scrub area with detergent and water to prevent slippery residues.

**6.4 Reference to other sections:** For PPE and disposal see sections 8 and 13 respectively.

## SECTION 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling:** Wear suitable gloves. Do not smoke. Care should be taken with dispensing equipment not to inject product under skin.

**7.2 Conditions for safe storage, including any incompatibilities:** Store in a cool, dry, ventilated area. Do not store at elevated temperatures.

**7.3 Specific end use(s):** The identified uses for this product are detailed in Section 1.2.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control parameters:**

**Workplace exposure limit:**

Name	STD	TWA – 8 hrs	STEL – 15 min	Notes
BMG	OES	5mg/m <sup>3</sup> (oil mist)	10 mg/m <sup>3</sup> (oil mist)	-

**8.2 Exposure controls:**

Engineering controls: Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Explosion-proof general and local exhaust ventilation.

Personal protective equipment:



Eye/face protection: Wear splash-proof eye goggles to prevent any possibility of eye contact. If risk of splashing, wear safety goggles or face shield. Manufactured/Tested in accordance with EN 166.

Skin protection: Use barrier creams to prevent skin contact. Protective gloves must be used if there is a risk of direct contact or splash. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Manufactured/tested in accordance with EN 374.

Respiratory protection: If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Check that mask fits tight and change filter regularly.

Hygiene measures: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Eating, smoking and water fountains prohibited in immediate work area.

Thermal hazards: Not applicable

Environmental exposure controls: See sections 6, 12, 13.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

Physical state: Smooth grease

Colour: Black

Odour: Slight

Melting point: >150°C

Boiling point: No data available

Flammability: Not flammable at ambient temperature  
Lower and upper explosion limits: Not applicable  
Flash point: >200°C  
Auto-ignition temperature: >200°C  
Decomposition temperature: No data available  
pH: No data available  
Kinematic viscosity: Not applicable  
Solubility: Insoluble in water  
Partition coefficient n-octanol/water (log value): Not applicable  
Vapour pressure: No data available  
Density: 0.82 – 0.85 (measured as kg/litre)  
Relative density: Not applicable

## SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** No dangerous reactions known under normal conditions of use.
- 10.2 Chemical stability:** Stable under proper storage and handling conditions.
- 10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- 10.4 Conditions to avoid:** Heat, flame, extremes of temperature and other ignition sources.
- 10.5 Incompatible materials:** Avoid contact with strong oxidising agents.
- 10.6 Hazardous decomposition products:** Combustion will generate: smoke, carbon dioxide and carbon monoxide, possible smoke and soot. Possible traces of sulphurous compounds.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

Acute toxicity: Not considered toxic under normal handling. (Acute LD50 – Rat oral: >2000 mg/kg)  
Skin corrosion/irritation: Possible on very mild skin types. Long-term exposure may cause dermatitis and de-fatting of the skin.

Serious eye damage/irritation	}	Based on available data the classification criteria are not met.
Respiratory or skin sensitisation		
Germ cell mutagenicity		
Carcinogenicity		
Reproductive toxicity		
STOT – single exposure		
STOT – repeated exposure		
Aspiration hazard		

- 11.2 Other information:** Low order of acute toxicity.

## SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity:** N/A
- 12.2 Persistence and degradability:** Only slightly biodegradable.
- 12.3 Bio-accumulative potential:** Product is not expected to bio-accumulate.
- 12.4 Mobility in soil:** Insoluble in water, poorly absorbed into soils. Unlikely to cause notable contamination.
- 12.5 Results of PBT and vPvB assessment:** No data available.
- 12.6 Other adverse effects:** Possible marine pollutant (slight) if released in large quantities.

## SECTION 13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods:** Dispose of in accordance with local and national regulations.

## SECTION 14. TRANSPORT INFORMATION

- 14.1 UN number:** Not classified
- 14.2 UN proper shipping name:** Not classified
- 14.3 Transport hazard class:** Not classified

**14.4 Packing group:** None

**14.5 Environmental hazards:** Not applicable

**14.6 Special precautions for user:** Not applicable

**14.7 Maritime transport in bulk according to IMO instruments:** Not applicable

## **SECTION 15. REGULATORY INFORMATION**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

UK Regulatory References:

Chemicals (Hazard Information & Packaging) Regulations.

Guidance Notes: Workplace Exposure Limits EH40.

EU Legislation: Regulation (EC) No 1272/2008 CLP. Regulation (EC) No 1907/2006 REACH.

Water hazard classification: WGK 1

## **SECTION 16. OTHER INFORMATION**

**Classification methods used to derive classification of mixture:** Classification according to calculation procedure detailed in EC1272/2008

### **Legend**

LTEL: Long term exposure limit

STEL (SE): Short term exposure limit (Single exposure)

STOT: Specific target organ toxicity

PNEC: Predicted no effect concentration

DNEL: Derived no effect level

**Additional information:** This safety data sheet has been produced based on information supplied by the manufacturers of the materials therein and is believed to be accurate. No warranty is expressed or implied by this information. It is for the user to satisfy themselves of the suitability of the product for their own purposes.