

# Health & Safety Data Sheet

## SILICONE GREASE

PENNINE LUBRICANTS  
UNIT 35, NUTWOOD TRADING ESTATE  
LIMESTONE COTTAGE LANE  
SHEFFIELD  
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**PRODUCT NAME:** SILICONE GREASE

**PRODUCT CODE:** AR4

**APPLICATION:** Lubricating grease.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**General:** This product contains polysiloxane, silica.

### 3. HAZARD IDENTIFICATION

**General:** This product is not classified as hazardous.

### 4. FIRST AID MEASURES

**Eyes:** Immediately wash eye thoroughly with plenty of clean water.

**Skin:** Following contact with the product, wash thoroughly with soap and water. Remove heavily contaminated clothing. wash contaminated clothing before re-use. If irritation persists, obtain medical advice.

**Ingestion:** **DO NOT INDUCE VOMITING.** Wash out mouth with water and obtain medical attention if unwell. Treat symptomatically.

**Pressure Injection:** Always obtain immediate medical attention.

### 5. FIRE FIGHTING MEASURES

**Flammability:** May support combustion in a serious fire.

**Extinguishing Media:** Foam, dry powder, CO<sub>2</sub>, sand or earth.

**Products of Combustion:** See Section 10

### 6. ACCIDENTAL RELEASE MEASURES

Always prevent entry into drains or watercourses.

Spillages can be slippery.

**Small Spills:** Soak in absorbent granules or sand.

**Large Spills:** Bund using absorbent granules, sand or earth and reclaim bulk product.

**Disposal of Spillage:** Via authorised waste disposal contractor. Disposal must be in accordance with the Environmental Protection Act 1990.

### 7. HANDLING AND STORAGE

**Handling:** No special measures required.

**Storage:** Store in dry conditions between 0 and 40° C.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Exposure Limits:** As for mineral oil mist: 5mg/m<sup>3</sup> (8 Hr TWA)

**Skin:** Wear oil impervious gloves in cases of prolonged or repeated skin contact. Change heavily contaminated clothing and overalls as soon as possible.

**Inhalation:** Respiratory protection is not normally required.

**Industrial Hygiene:** Wash hands after use, before eating, drinking or smoking and before and after using the toilet.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and Odour: Transluscent grey grease with no odour.

Specific Gravity @ 20° C: 1.0

Solubility in water: Insoluble

Flash Point (C): >230 Autoignition Temp.:>200

Flammability limits in air: Not Known

Vapour Pressure @ 20° C: Not known Vapour Density: Not Known

Boiling Point (C): >250 Melting Point (C): <0

Viscosity @ 40 ° C (cSt) Grease

## **10. STABILITY AND REACTIVITY**

**Stability:** These products are stable and unlikely to react in a hazardous manner under normal conditions of use.

**Conditions to Avoid:** Extremes of temperature. Store between 0 and 40°C.

**Materials to Avoid:** Strong oxidising agents.

**Decomposition Products:** Oxides of carbon and silicon, water and traces of other compounds.

## **11. TOXICOLOGICAL INFORMATION**

**Eyes:** Eye contact with product may cause transient irritation.

**Skin:** The product in occasional skin contact is unlikely to cause any significant reaction.

**Inhalation:** Not applicable

**Ingestion:** The product has a low order of acute oral toxicity; ingestion is not regarded as a significant health hazard likely to arise in normal use. Swallowing significant quantities may cause discomfort, nausea and diarrhoea. The product is food safe.

## **12. ECOLOGICAL INFORMATION**

**Environmental Assessment:** When used and disposed of as intended, no adverse environmental effects are foreseen.

**Persistence and Degradability:** Non biodegradable.

**Ecotoxicity:** Not expected to be ecotoxic to fish / daphnia / algae, or inhibitory to sewage bacteria.

## **13. DISPOSAL CONSIDERATIONS**

All means of disposal should comply with local regulations and the Environmental Protection Act 1990. Dispose of the product and containers carefully and responsibly. Do not allow product to contaminate ponds, water courses, soil or drains.

**Used Product:** The product should be disposed of via an authorised person / licensed waste disposal contractor.

**Unused Product:** May be sent for reclamation.

## **14. TRANSPORT INFORMATION**

Classification: Not classified as dangerous for conveyance.

UN Number: Not Applicable.

## **15. REGULATORY INFORMATION**

## **16. OTHER INFORMATION**

**Legislation:** Chemical (Hazards, Information and Packaging) regulations 1993.

Environmental Protection Act 1990.

Control of Pollution Act 1974.

The Environmental Protection (Duty of Care) Regulations 1991.

**HSE Publications:** EH 26 Occupational Skin Diseases. Health and Safety Precautions.

EH 40 Occupational Exposure Limits.