

**Material Safety Data Sheet HIGH VACUUM GREASE**

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product. The contents and format of this MSDS are in accordance with EC Commission Directive 91/155EEC.

- 1. Identification**  
 Chemical Name High Vacuum Grease  
 Item No(s) H024-00-036, H112-51-015  
 Synonyms None  
 Intended Use Grease to make vacuum seals for example glass cones and rotary lead-throughs.  
 Emergency Phone No UK:- +44 (0) 1293 528844  
 France:- +331 (1) 47 98 24 01  
 Germany:- +49 (0) 6421 8030  
 USA:- 508 658 5416
  
- 2. Composition/Information on Ingredients**

Ingredients Name	Weight	Classification	Risk Phrase	CAS No
Non melting silicone grease (preparation)	91%	Non hazardous	Not applicable	7631-86-9
Silica (amorphous)	9%			
  
- 3. Hazards Identification**  
 Nature of the hazard None  
 Precaution to be taken None
  
- 4. First Aid Measures**  
 Inhalation None required  
 Eye Contact Flush with plenty of water  
 Skin Contact Wipe off and wash soap & water  
 Ingestion None required
  
- 5. Fire Fighting Measures**  
 Extinguishing Media Foam, dry powder, water spray or CO<sub>2</sub>  
 Fire Fighting Procedures Wear a self contained breathing apparatus (SCBA) in confined areas and for any significant fire.  
 Unusual Fire Fighting Hazards None  
 Combustion Products CO<sub>2</sub>, Silica, Formaldehyde, trace of incompletely burnt hydrocarbon
  
- 6. Accidental Release Measures**  
 Scrape up with cardboard etc. and place in a container with a lid
  
- 7. Handling and Storage**  
 General ventilation is required  
 Avoid eye contact  
 No special storage measures are required
  
- 8. Exposure Controls / Personal Protection**  
 Engineering Measures None  
 Exposure Limits Not applicable  
 Respiratory Protection Not required under normal conditions  
 Hand Protection Protective gloves are not required  
 Eye Protection Use safety glasses  
 Other Requirements None  
 Hygiene Measures None
  
- 9. Physical and Chemical Properties**  
 Appearance and Odour Translucent paste like with very little odour  
 Auto Ignition(°C) Not determined  
 Boiling Point >149°C  
 pH (as supplied) Not determined  
 Melting Point (°C) Not determined  
 Vapour Pressure (mbar) < 7  
 Freezing Point < -40°C  
 Solubility in Water < 0.10% w/w at 10°C  
 Flash Point >100°C  
 Volatile content by volume < 5  
 Flash Point Method Closed cup  
 Specific Gravity (H<sub>2</sub>O=1) 1.00
  
- 10. Stability and Reactivity**  
 Stability Stable  
 Hazardous Decomposition Products May emit formaldehyde at temperatures above 150°C in the presence of air.  
 Materials to Avoid Strong oxidising agents  
 Conditions to Avoid None known

**11. Toxicological information**

Inhalation	No significant effects
Skin Contact	No significant effects
Eye Contact	May cause temporary discomfort
Ingestion	Practically non-toxic
Animal Data	LD50 Value Not determined
Carcinogenic	No

**12. Ecological Information**

Persistence	Not known
Bio-accumulation	Not known
Mobility	Insoluble in water
Aquatic	No known ecotoxic effects
Degradability	Material will degrade in the environment abiotically, by chemical and physical processes
Terrestrial	Not known

**13. Disposal Considerations**

Can be land filled or burned in accordance with local regulations.

**14. Transportation Information**

Not classified as dangerous in the meaning of transport regulations.

**15. Regulatory Information**

This product has been classified in accordance with the Dangerous Substances Directive (67/548/EEC, as amended) and the Preparations Directive (88/379/EEC, as amended), implemented in the UK as the Chemical (Hazard Information and Packing) Regulations 1993 (CHIP).

Dangerous for Supply	No
Risk Phrase(s)	Not applicable
Safety Phrase(s)	Not applicable
Symbols	Not applicable

**16. Other Information**

The format of this data sheet complies with the requirements of ANSI Z400.1 and the EC Safety Data Sheets Directive (91/155/EEC). All information, recommendations and suggestions herein concerning the above product are based upon data believed to be reliable, however, it is the users responsibility to determine the safety, toxicity, and suitability for his/her own use of the product described herein. The information herein should not be construed as being absolutely complete since additional information may be necessary or desirable when special or exceptional circumstances exist or because of applicable laws or regulations.

Refer Scientific  
 Hareburn Terrace  
 Blackdog  
 Aberdeen  
 UK  
 AB23 8BE

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