

Product Safety Data Sheet (5:4)
Valve Grinding Compounds All VGP Grades



1. PRODUCT AND COMPANY IDENTIFICATION

Product name: All Anglo Abrasives VGP grinding pastes.
Grades: VGP 360 Fine, VGP 362 Coarse.
Use: Valve grinding
Company: AB ABRASIVES LTD
 t/a Anglo Abrasives - Nuneaton
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2 Composition / Identification

No	Name	EC-No	CAS-No	%-Mass	Symbol(s)	R Phrases
1	Severely refined mineral oil with additives (Ip346 DMSO extract < 3%)			>66		
2	Lithium soaps of fatty acids					
3	Zinc naphthenate	234-409-2	12001-85-3	1-3	Xi	R36/38
4	Octylated/butylated diphenylamine	270-128-1	68411-46-1	< 1	N	R51/53
5	Silcarbide C-6		409-21-2	> 28	SiO ₂	
6	Silicon			< 1	Si	
7	Carbon			< 1	C	
8	Iron			< 1	Fe	
9	Aluminium			< 1	Al	

Items 6,7,8,9 impurities (SiO₂+Si + C + Fe + Al) each less than 1%, total less than 3%
 No substances are present in concentrations regarded to present a hazard (Directive 1999/45/EC)

3. Hazards Identification

Health: May cause eye irritation .
 Unlikely to cause immediate irritation but prolonged and repeated contact may be harmful to the skin.
 Not volatile. It is not likely to be an inhalation hazard at normal ambient temperatures. If overheated, fumes and vapours are irritating to the breathing passages and lungs. Ingestion is unlikely to cause adverse systemic health effects.

Environmental: Although no specific ecological hazards are expected and bioaccumulation is unlikely, spillage into the environment should always be avoided.

Physical / Chemical: Not applicable

Additional information: Injection under the skin of mineral oil or grease under very high pressure is a serious emergency which should be immediately be referred to hospital. A copy of this data sheet should accompany the casualty to hospital for the information of the medical staff.

4.**FIRST AID MEASURES**

- Eyes: Flush the eye with copious amounts of water. No emergency measures are necessary but if adverse eye effects follow, refer for medical attention.
- Skin: Unlikely to cause irritation, but prolonged or frequent contact may cause irritation which could result in dermatitis. Wash the contaminated skin thoroughly with soap and water. Remove contaminated clothing. No emergency measures are necessary but if adverse skin effects follow, refer for medical attention.
- Ingestion: DO NOT INDUCE VOMITING. No emergency measures are needed but if adverse health effects follow, refer for medical attention.
- Additional Information: Injection under the skin of mineral oil or grease is a serious emergency requiring IMMEDIATE medical attention and hospitalisation, even if initially there may be little in the way of symptoms or signs to suggest the seriousness. Surgical exploration of the effected site with wide incision(s) careful debridement and irrigation of the damaged area should be undertaken at the slightest sign of actual presence of oil under the skin. A conservative approach will inevitably lead to extensive necrosis of the subcutaneous tissues and structures. Especially vulnerable are the myelin sheaths of the nerves as these are rapidly dissolved by the hydrocarbon leading to extensive and irreversible impairment.

5.**Fire Fighting Measures**

- Extinguishing media: **Recommended:** Dry chemical, foam, Co2. S Phrase 43
- Specific exposure hazards: Slight flammability hazard when exposed to heat or flame.
- Special protective equipment for firefighters: Use self-contained breathing equipment when fighting fire in confined spaces.

6.**ACCIDENTAL RELEASE MEASURES**

- Personal Precautions: Surfaces may become slippery after spillage.
- Environmental precautions: Water may be used to flush spills away from sources of ignition. Do not allow product to enter public drainage systems or open water courses. Absorb and scrape up.
- Absorbent materials: Sand or active clay.

7.**HANDLING AND STORAGE**

- Handling: Avoid prolonged or repeated skin contact and maintain good hygiene standards. If prolonged or repeated skin contact is likely then protective clothing as detailed in section 8, should be worn when handling these products. Report any skin abnormalities to a doctor. Cuts and abrasions should receive prompt medical attention.
Use adequate ventilation. Safety phrases S24 S23
- Storage: Store in original plastic containers.
Store out of direct sunlight in ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Engineering measures:</u>	No special measures needed.
<u>Control parameters, precautions:</u>	In all circumstances exposure should be kept as low as reasonably possible by good ventilation and safe working practices.
<u>Respiratory protection:</u>	Inhalation of the vapours, fumes or mists should be avoided by safe working practices and good ventilation.
<u>Eye Protection:</u>	Use eye protection if required or splashing is likely. S Phrase 25
<u>Hand / Skin Protection:</u>	Prolonged and repeated skin contact should be avoided by the use of clean gloves and clean overalls. PVC or nitrile gloves may be suitable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Paste
Colour	Dark black /grey may have green tinge
Appearance	Smooth
Odour	Mineral oil
pH	Neutral
Boiling ⁰ C	Initial boiling point (oil base) >250
Melting point ⁰ C	Not applicable
Flash Point ⁰ C	>150 (ASTM D 92, COC)
Autoflammability / ignition ⁰ C	Not known
Upper explosion limit	Not known
Lower explosion limit	Not known
Vapour Pressure	Not known
Water solubility	Negligible
Other data	

10. STABILITY AND REACTIVITY

<u>Stability:</u>	Avoid excess heat as this can lead to decomposition of the suspension agent. Hazardous decomposition products are oxides of carbon, sulphur, nitrogen, phosphorous also particulate matter, unburnt hydrocarbons, polycyclic hydrocarbons and unidentified organic and inorganic compounds. With incomplete combustion carbon monoxide will be evolved. S Phrase S15, S14.
<u>Conditions / materials to avoid:</u>	Stable. May react with strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

<u>Eyes:</u>	May cause eye irritation.
<u>Skin:</u>	Although incidental contact with the skin does not cause immediate irritation, prolonged and repeated contact may defat and abrade the skin and eventually cause dermatitis.
<u>Inhalation:</u>	Not volatile. It is not likely to be an inhalation hazard at normal ambient temperatures. If overheated, fumes and vapours are irritating to the breathing passages and lungs. Ingestion is unlikely to cause adverse systemic health effects. The refined mineral base oils in formulation of this product are of a low order of toxicity in test animals. Ld50 (rat) for base oils is above 5 q/Kg.

12. ECOLOGICAL INFORMATION

- Mobility:** Little mobility in soil. Some components may penetrate the soil causing ground water pollution, Will spread on the water surface. A small portion may be dispersed in water.
- Degradability:** Not readily biodegradable.
- Ecotoxicity / bioaccumulation:** The base oil components and abrasive compounds are not expected to be dangerous to the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Transport to authorised waste location, or incinerate under controlled conditions (EU Directives 2000/76/EC and 1999/31/EC apply).
European Waste Catalogue code 13 08 99: Wastes not otherwise specified

14. TRANSPORT INFORMATION

Not applicable classed as non hazardous

15. REGULATORY INFORMATION

EC Labelling / Classification

Symbol(s)	None
Contains:	
R Phrases:	None
S Phrases	None
Other regulations:-	

16. OTHER INFORMATION

Text of R Phrases indicated in section 2: R 36/38 irritating to eyes and skin
R 51/53 Toxic to aquatic organisms, may cause long term effects in the aquatic environment.
Text of S 43 section 5. In case of fire use Dry chemical, foam, CO2
Text of S Phrases section 7. S-23 Do not breath vapour S-24 Avoid contact with skin.
Text of S 25 section 8. Avoid contact with eye.
Text of S Phrases section 10 S-14 Keep away from strong oxidising agents, S-15 Keep away from heat.

Replaces Anglo Abrasives MSDS No 5:3 Change of company contact details, section 1.
Change of date of issue, section 16.

The information in this sheet has been compiled for of AB Abrasives T/A Anglo Abrasive on the basis of data available to them at the date hereof. The information is for the guidance of customers of Anglo Abrasives but is not intended as an exhaustive description of the health and safety aspects of the use of the product and in particular the information takes no account of possible abnormal reactions of particular individuals. Customers are responsible for the proper storage, use and handling of the product and for determining whether the product is fit for the use to which it is put. The information does not describe health and safety aspects of the product once it has been misused or mishandled or when it is mixed with any other product.

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