DOW CORNING

SAFETY DATA SHEET

According to article 31 and Annex II of the EU REACH Regulation

Version: 2.0
Revision Date: 24.01.2012
Superseded date: 05.10.2006

MOLYKOTE(R) 7508 VALVE GREASE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Product name	:	MOLYKOTE(R) 7508 VALVE GREASE	
1.2 Identified uses	:	Lubricants and additives	
Uses advised against	:	None known.	
1.3 Company	:	Dow Corning Europe S.A. rue Jules Bordet - Parc Industriel - Zone C B-7180 Seneffe Belgium	
E-mail address (Safety Data Sheet)	:	sdseu@dowcorning.com	
Customer Service	:	English	Tel: +49 611237507
		Deutsch	Tel: +49 611237500
		Français	Tel: +32 64511149
		Italiano	Tel: +32 64511170
		Español	Tel: +32 64511163
			Fax: +32 64888683
1.4 Emergency Phone Number	:	Dow Corning (Barry U.K. 24h)	Tel: +44 1446732350
		Dow Corning (Wiesbaden 24h)	Tel: +49 61122158
		Dow Corning (Seneffe 24h)	Tel: +32 64 888240

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to EU Directives 67/548/EEC or 1999/45/EC:

Not hazardous.

2.2 Label elements

Labelling according to EEC Directive

S-phrases : S41 In case of fire and/or explosion do not breathe fumes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Silicone compound

According to EU Directives 67/548/EEC or 1999/45/EC:

Name	CAS-No.	EINECS/ ELINCS No.	REACH Registration Number	Conc. (% w/w)	Classification	
Polytetrafluoroethylene	9002-84-0	Exempt or not available	-	18.0	Substance with a Community workplace exposure limit	
Trimethylated Silica	68988-56-7	273-530-5	-	3.2	Substance with a Community workplace exposure limit	
Ethylenediaminetetraacetic acid	60-00-4	200-449-4	-	1.0	Xi	R36

According to Regulation (EC) No. 1272/2008:

Name	CAS-No.	EINECS/ ELINCS No.	REACH Registration Number	Conc. (% w/w)	Classification	
Polytetrafluoroethylene	9002-84-0	Exempt or not available	-	18.0	Substance with a Community workplace exposure limit	
Trimethylated Silica	68988-56-7	273-530-5	-	3.2	Substance with a Community workplace exposure limit	
Ethylenediaminetetraacetic acid	60-00-4	200-449-4	-	1.0	Serious eye damage/eye irritation: Category 2 H319	-

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.
CLP classifications are based on all current available data including from known international organizations. These classifications are subject to revision as more information becomes available.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures:

On contact with eyes : No first aid should be needed.

On skin contact : No first aid should be needed.

If inhaled : No first aid should be needed.

On ingestion : No first aid should be needed.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media : On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.

Unsuitable extinguishing media : None known.

5.2 Hazards during fire fighting : Toxic vapours are evolved.

Hazardous Combustion Products : Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Toxic vapours of fluorinated compounds. Nitrogen products. Chlorine compounds.

5.3 Special protective equipment/procedures : A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures : Wear proper protective equipment.

6.2 Environmental precautions : Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

6.3 Methods and materials for containment and cleaning up : Determine the need to evacuate or isolate the area according to your local emergency plan. Very large spills should be contained by bunding, etc... procedures. Mop, wipe or soak up with absorbent material and place in a container with a lid. The spilled product produces an extremely slippery surface.

7. HANDLING AND STORAGE

7.1 Advice on safe handling : General ventilation is required. Do not breathe spray or mist. Avoid eye contact. Do not empty into drains.

7.2 Advice on storage : Do not store with oxidizing agents.
Storage temperature: minimum 0 °C, maximum 40 °C

7.3 Specific uses : Refer to technical data sheet available on request.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Name	CAS-No.	Exposure Limits
Polytetrafluoroethylene	9002-84-0	4 mg/m3 TWA Respirable dust 10 mg/m3 TWA Inhalable dust
Trimethylated Silica	68988-56-7	4 mg/m3 TWA Respirable dust 10 mg/m3 TWA Inhalable dust

8.2 Exposure controls

Engineering Controls : Ventilation : Refer to Section 7.1

Personal protection equipment

Respiratory protection : A suitable respirator must be worn if the product is used in any circumstances where an aerosol or mist may be generated, such as during spraying or similar activities. Depending on the working conditions, wear a respiratory mask with filter P(s) or use a self-contained respirator.
The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.

Hand protection : Gloves are not normally required.

Eye/face protection : Safety glasses should be worn.

Skin protection : Protective equipment is not normally necessary.

Hygiene measures : Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Additional information : These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding the use of silicones / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these types of materials in consumer aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Dow Corning customer service group.

Environmental exposure controls : Refer to section 6 and 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Viscous Liquid

Colour : White

Odour	:	None
Boiling point/range	:	>= 100 °C
Flash point	:	> 101 °C (Closed Cup)
Explosive properties	:	No
Specific Gravity	:	1.1
Viscosity	:	30000 cSt at 25°C.
Oxidizing properties	:	No

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

10. STABILITY AND REACTIVITY

10.1 Reactivity	:	None known.
10.2 Stability	:	Stable under normal usage conditions.
10.3 Possibility of hazardous reactions	:	None known.
10.4 Conditions to avoid	:	None established.
10.5 Materials to avoid	:	Can react with strong oxidising agents.
10.6 Hazardous decomposition products	:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Toxic vapours of fluorinated compounds. Nitrogen products. Chlorine compounds.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

On contact with eyes	:	May cause temporary discomfort.
On skin contact	:	No adverse effects are normally expected.
If inhaled	:	No adverse effects are normally expected.
On ingestion	:	No adverse effects are normally expected.

Chronic toxicity:

On skin contact	:	No adverse effects are normally expected.
If inhaled	:	No adverse effects are normally expected.

On ingestion	:	No adverse effects are normally expected.
Toxicokinetics, metabolism and distribution	:	No specific information is available.
Other Health Hazard Information	:	This product contains (a) powder(s) hazardous by inhalation. This is not relevant to the current physical form of the product, which is not in a respirable form.

[1] Based on product test data.
[2] Based on test data from similar products.