

JOHN ASTLEY & SONS LTD

MATERIAL SAFETY DATA SHEET

60180

31/03/13

MOLYKOTE 111 COMPOUND

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

Name of product: Molykote® 111 Compound

Intended use: Lubricants and additives

Stock Code: 60180

Company: Dow Corning Europe S.A.
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B-7180 Seneffe
Belgium.
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2. HAZARDS IDENTIFICATION

Hazard classification: EU Directives 67/548/EEC or 1999/45/EC: Not hazardous.

Label elements: Labelling according to EEC Directive No special packaging or labelling requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description: Silicone grease.

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

Name	CAS-No.	EC No.	Content	Classification *
Boric Acid	10043-35-3	233-139-2	0.15%	T: R60, R61

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

Name	CAS-No.	EC No.	Content	Classification *
Boric Acid	10043-35-3	233-139-2	0.15%	H360FD

*** Classification:** The full text of the Risk phrases and Hazard statements in this section, are listed in section 16 and apply only to individual constituents and not the finished product.

4. FIRST AID MEASURES

First aid measures: Considered unnecessary.

5. FIRE-FIGHTING MEASURES

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.

Hazardous combustion products: Silica. Carbon oxides and traces of incompletely burned carbon compounds.
Formaldehyde.

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

MOLYKOTE 111 COMPOUND**6. ACCIDENTAL RELEASE MEASURES**

- Personal Precautions:** Avoid skin and eye contact. Ensure adequate ventilation.
- Environmental Precautions:** Prevent entry into drains and watercourses.
- Clean-up methods:** Scrape up and place in closable container.
The spilled product produces an extremely slippery surface.

7. HANDLING AND STORAGE

- Handling:** Avoid eye contact. Ensure good ventilation. Do not empty into drains.
- Storage:** Store in original container. Avoid oxidising agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Limits:** None of the components have assigned exposure limits.
- Engineering Controls:** Ensure good ventilation
- Respiratory protection:** This product cannot normally be inhaled.
- Hand protection:** Gloves are not normally required.
- Eye protection:** Wear protective glasses.
- Skin protection:** Protective equipment is not normally necessary.
- Hygiene measures:** Good industrial hygiene practices should be observed.
- Additional information:** These precautions are for room temperature handling.
Use at elevated temperature or spray applications may require added precautions.
- Environmental Exposure controls:** Refer to section 6 and 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form:** Grease.
- Colour:** Translucent white.
- Odour:** None.
- pH-value:** Not applicable
- Flash point:** > 101.1 °C (Closed cup)
- Specific gravity:** 1.1
- Oxidizing properties:** No

10. STABILITY AND REACTIVITY

- Reactivity:** None known.
- Stability:** Stable under normal conditions of storage and use.
- Hazardous reactions:** None known.
- Conditions to avoid:** None established.
- Materials to avoid:** Reacts with strong oxidising agents.
- Hazardous Decomposition products:** Silica. Carbon oxides and traces of incompletely burned carbon compounds.
Formaldehyde.

MOLYKOTE 111 COMPOUND**11. TOXICOLOGICAL INFORMATION**

Eye contact:	May cause temporary discomfort.
Skin contact:	Adverse effects are not expected.
Inhalation:	Adverse effects are not expected.
Ingestion:	Adverse effects are not expected.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No adverse effects on aquatic organisms are predicted.
Persistence and degradability:	Solid material, insoluble in water. No adverse effects are predicted.
Bioaccumulation:	No bioaccumulation potential.
Release to waters / Mobility in soil:	Fate and effects in waste water treatment plants: No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

Product disposal:	Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
Disposal of packaging:	After use, tubes containing residual product should be disposed of as chemically contaminated waste.

14. TRANSPORT INFORMATION

Classification:	Classified as non hazardous for transport by road, rail, sea and air.
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15. REGULATORY INFORMATION

Additional information:	Not subject of the identification regulations. The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
Product safety status:	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

16. OTHER INFORMATION

Further information:	This Safety Data Sheet has been prepared in compliance with applicable European law	
Source of information:	Internal data and publically available information	
Text of Risk and Hazard phrases listed in section 3.:	R60	May impair fertility.
	R61	May cause harm to the unborn child.
	H360FD	May damage fertility. May damage the unborn child.,

Disclaimer:

The information given in this safety data sheet is based on knowledge available at the time of compilation and is intended to describe the product only in terms of health and safety requirements. The information given should not, therefore, be construed as guaranteeing specific properties or specification. Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.

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