MATERIAL SAFETY DATA SHEET DC4 ELECTRICAL INSULATING COMPOUND

Issue date: 20/06/2024

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Dow Corning DC4 grease.

1.2. Relevant identified uses of the substances or mixture and uses advised against

Insulating grease for electrical applications.

1.3. Details of the supplier of the safety data sheet

Company information	Prysmian Cables and Systems Ltd Oak Road, Wrexham Industrial Estate, Wrexham LL13 9PH Prysmian Cavi e Sistemi Italia S.r.l. Via Chiese 6 20126 – Milano Italy
Telephone	+44 (0) 1978 66 2375
Email	sa.clpsd01gb@prysmiangroup.com
Emergency telephone number	+44 (0)1978 66 2216

Section 2 Hazards identification

This product is a mixture.

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (EU "CLP" Regulation):
Not classified as hazardous.

2.2. Label elements

Labelling according to Regulation (EC) 1272/2008 (EU "CLP" Regulation):
Labelling not required.

2.3. Other hazards

No danger to health under normal conditions.

Section 3 Composition / information on ingredients

This product is a mixture. No hazardous ingredients.

Section 4 First aid measures

4.1. Description of first aid measures

Inhalation: No first aid should be needed.
Skin Contact: No first aid should be needed.
Ingestion: No first aid should be needed.
Eye Contact: No first aid should be needed.

4.2. Most important symptoms and effects, both acute and delayed.

No specific effects and/or symptoms have been reported or are known.

4.3. Indication of any immediate medical attention and special treatment needed.

No data available.

Section 5 Firefighting measures

5.1. Extinguishing media

On large fires use dry powder, foam or water mist. On small fires use carbon dioxide, dry powder or water spray. Water can be used to cool containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica, carbon oxides, formaldehyde.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Section 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific precautions.

6.2. Environmental precautions

Do not allow large quantities to enter drains or surface water.

6.3. Methods and material for containment and cleaning up

Scrape up and transfer to sealed container suitable for disposal. Spilled product presents a slip hazard.

6.4. Reference to other sections

See Section 13 for disposal information.

Section 7 Handling and storage

7.1. Precautions for safe handling

Avoid eye contact. General ventilation is recommended. Do not empty into drains.

7.2. Conditions for safe storage, including any incompatibilities

Do not store with oxidising agents. Recommended storage temperature range: 0 °C to 32 °C.

7.3. Specific end use(s)

See Section 1.2.

Section 8 Exposure controls / personal protection

8.1. Control parameters

No occupational exposure limits have been assigned to this material

8.2. Exposure controls

Observe normal safety and hygiene standards.

Section 9 Physical and chemical properties

Physical state:	Viscous grease
Colour:	Translucent
Odour:	Slight
Odour threshold:	No data available
Melting point:	Not applicable
Freezing point:	Not applicable
Boiling point:	Not applicable
Flammability:	No data available
Explosive limits:	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Flash point:	> 300 °C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH:	Not applicable
Viscosity, kinematic:	No data available
Solubility:	Insoluble in water
Partition coefficient n-octanol/water: (Log K_{ow}):	Not applicable
Vapour pressure:	Not applicable
Vapour pressure at 50°C	Not applicable
Density:	> 1g/cm^3 at 20 °C
Relative density:	Not applicable
Relative vapour density at 20°C	Not applicable
Particle characteristics	Does not contain nanomaterials

9.1. Other information

9.1.1. Information with regard to physical hazard classes

No additional information available.

9.1.2. Other safety characteristics

No additional information available.

Section 10 Stability and reactivity

10.1. Reactivity

Not reactive to materials commonly used in the transportation, handling and storage of industrial materials.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

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, formaldehyde.

Section 11 Toxicological information

11.1. Information on toxicological effects

Acute Toxicity:	Data not available
Repeated dose toxicity:	Data not available
Carcinogenicity:	Data not available
Mutagenicity:	Data not available
Toxicity for reproduction:	Data not available

Section 12 Ecological information

12.1. Toxicity

No adverse effects on aquatic organisms are predicted.

12.2. Persistence and degradability

Solid material, insoluble in water. No adverse effects are predicted.

12.3. Bioaccumulative potential

This product is not expected to to bioaccumulate.

12.4. Mobility in soil

Solid product with reduced mobility. No adverse effects are predicted.

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Section 13 Disposal considerations

13.1. Waste treatment methods

In accordance with the approval of the responsible local authority.

Section 14 Transport information

14.1. UN Number

Not regulated under transport regulation.

14.2. Proper shipping name

Not regulated under transport regulation.

14.3. Transport hazard class

Not regulated under transport regulation.

14.4. Packing group

Not regulated under transport regulation.

14.5. Environmental hazards

Not regulated under transport regulation.

14.6. Special precautions for user

None identified.

14.7. Transport in bulk according to IMO instuments

No data available.

Section 15 Regulatory information

This Safety Data Sheet has been prepared in accordance with the requirements of regulation (EC) No 1907/2006 as amended.

Relevant regulations:

Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Regulation (EC) 790/2009 First Adaptation to Technical Progress (ATP) for CLP regulation

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

None applicable.

15.2. Chemical safety assessment

A chemical safety assessment has not been undertaken for this mixture.

Section 16 Other information

This SDS (version 3.0) is the 3rd version of this SDS for this product.

This information is believed to be accurate and represents the best information available to the company at this time. This information is provided as a guide to the hazards and respective safety precautions relevant to this product. This SDS does not represent any guarantee of performance or specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.