



**A 002 989 07 51 09 Multi-grade grease**

Print date 29.03.2020

Revision date 25.03.2020

Version 11

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name/designation Multi-grade grease

Partno A 002 989 07 51 09

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Use**

lubricant

### 1.3 Details of the supplier of the safety data sheet

**Supplier**

Mercedes-Benz USA, LLC. +1 770 705 0600

### Manufacturer

CARL BECHEM GmbH

Weststr. 120

58089 Hagen

Telephone +49 2331 9350

Telefax +49 2331 935 1199

Emergency telephone number:

+49 (0)2331 935-1500

Trade name/designation: Berulub XP 746

Code: 2901102-615

### 1.4 Emergency telephone number

+49 (0)711 17-0

gms.daimler.com

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Remark**

This mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

The mixture is exempt from the labelling requirements of EC Regulation No. 1272/2008 [GHS].

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

**product identifiers**

Trade name/designation Multi-grade grease

**Precautionary statements**

P102 Keep out of reach of children.



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## 2.3 Other hazards

### Other adverse effects

Special danger of slipping by leaking/spilling product.

### Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

not applicable

### 3.2 Mixtures

#### Description

Mixture of inorganic thickener in synthetic oil with additives.

#### Remark

no hazardous ingredients

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Following inhalation

Provide fresh air.

In the event of symptoms refer for medical treatment.

#### Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

#### After eye contact

Remove contact lens

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting.

Medical treatment necessary.

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

No data available

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

#### Notes for the doctor

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam

Extinguishing powder

Carbon dioxide (CO<sub>2</sub>)

Water spray jet

#### Unsuitable extinguishing media

High power water jet

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

In case of fire formation of dangerous gases possible.

Carbon monoxide

Carbon dioxide (CO<sub>2</sub>)



## 5.3 Advice for firefighters

### **Special protective equipment for firefighters:**

In case of fire: Wear self-contained breathing apparatus.  
Do not inhale explosion and/or combustion gases.

### **Additional information**

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

#### **For non-emergency personnel**

Remove persons to safety.  
Special danger of slipping by leaking/spilling product.

#### **For emergency responders**

Special danger of slipping by leaking/spilling product.

### **6.2 Environmental precautions**

Do not allow to enter into surface water or drains.  
Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not allow to enter into soil/subsoil.

### **6.3 Methods and material for containment and cleaning up**

#### **For containment**

After taking up the material dispose according to regulation.

#### **For cleaning up**

Take up mechanically.

### **6.4 Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Protective measures**

No special fire protection measures are necessary.  
Adhere to general precaution rules when handling chemicals  
Do not put any product-impregnated cleaning rags into your trouser pockets.

#### **Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff.  
Keep away from food and drink.  
Wash hands before breaks and after work.  
Use protective skin cream before handling the product.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Keep/Store only in original container.

#### **Storage class**

LGK12 non-combustible liquids that cannot be assigned to any of the above storage classes

#### **Materials to avoid**

Do not store together with:  
Oxidising agent

#### **Further information on storage conditions**

Recommended storage temperature: room temperature.



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## 7.3 Specific end use(s)

### Recommendation

See section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No data available

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

safety goggles  
DIN EN 166

##### Hand protection

Not suitable: leather gloves

Unsuitable material:

Thick fabric

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Glove materials data [type, thickness, breakthrough time/duration of use, permeation rate]: Nitrile rubber (protection index 6, >480 min, 0.4 mm)

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Body protection:

Protective clothing

##### Respiratory protection

Not required

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Physical state

Paste

#### Colour

translucent

#### Odour

perceptible

#### Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
pH	not determined		
Melting point/freezing point	> 200 °C		
Initial boiling point and boiling range			not determined
Flash point	> 200 °C		Base oil
Evaporation rate	not determined		
flammability	not determined		
Upper/lower flammability or explosive limits	not determined		
Vapour pressure	not determined		
Vapour density	not determined		



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	Value	Method	Source, Remark
Density	1.1 g/cm <sup>3</sup> (20°C)		
Solubility(ies)	Water solubility (g/L)		practically insoluble
Partition coefficient: n-octanol/water	not determined		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
Viscosity			not applicable
Explosive properties:	not determined		
Oxidising properties	not determined		

## 9.2 Other information

### Other safety information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions known.

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

Reactions with strong acids.

Reactions with oxidising agents.

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Oxidising agent

Strong acids

### 10.6 Hazardous decomposition products

#### Additional information

No risk of production of decomposition products when appropriately handled and stored

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Animal data

	Effective dose	Method	Source, Remark
Acute oral toxicity	not determined		
Acute dermal toxicity	not determined		
Acute inhalation toxicity	not determined		

#### Assessment/classification

The classification criteria have not been met according to the available data.

#### Skin corrosion/irritation

##### Assessment/classification

Based on available data, the classification criteria are not met.



## Eye damage/irritation

### Assessment/classification

Based on available data, the classification criteria are not met.

## Sensitisation to the respiratory tract

### Assessment/classification

Based on available data, the classification criteria are not met.

## Skin sensitisation

### Assessment/classification

Based on available data, the classification criteria are not met.

## Germ cell mutagenicity

### Assessment/classification

Based on available data, the classification criteria are not met.

## Carcinogenicity

### Assessment/classification

Based on available data, the classification criteria are not met.

## Reproductive toxicity

### Assessment/classification

Based on available data, the classification criteria are not met.

## STOT-single exposure

### STOT SE 1 and 2

#### Assessment/classification

Based on available data, the classification criteria are not met.

### STOT SE 3

#### Irritation to respiratory tract

##### Assessment/classification

Based on available data, the classification criteria are not met.

#### Narcotic effects

##### Assessment/classification

Based on available data, the classification criteria are not met.

## STOT-repeated exposure

### Assessment/classification

Based on available data, the classification criteria are not met.

## Aspiration hazard

### Experimental data

	Value	Method	Source, Remark
Viscosity			not applicable

### Assessment/classification

Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

	Effective dose	Method	Source, Remark
Acute (short-term) fish toxicity	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	not determined		



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	Effective dose	Method	Source, Remark
Chronic (long-term) toxicity to crustacea	not determined		
Acute (short-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

## 12.2 Persistence and degradability

No data available

## 12.3 Bioaccumulative potential

No data available

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6 Other adverse effects

### Additional ecotoxicological information

#### Additional information

Do not allow uncontrolled discharge of product into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Appropriate disposal / Product

Do not dispose together with domestic waste  
Avoid penetration into sewage system

#### Appropriate disposal / Package

Dispose of waste according to applicable legislation.

#### Remark

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

## SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No

### 14.6 Special precautions for user

No data available

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

### All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.



## SECTION 15: Regulatory information

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

#### National regulations

##### Water hazard class (WGK)

slightly hazardous to water (WGK 1)

according to the Ordinance on Facilities for Handling Substances that are Hazardous to Water (AwSV)

##### Restrictions of occupation

Observe national legislation regarding professional restrictions.

### 15.2 Chemical Safety Assessment

Substance safety analysis was not performed for this mixture.

## SECTION 16: Other information

#### Indication of changes

Current safety data sheets are available at:

<http://gms.aftersales.daimler.com>

\* Data changed compared with the previous version

#### Abbreviations and acronyms

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

#### Key literature references and sources for data

Safety data sheets of suppliers

#### Additional information

Adhere to existing national and local rules referring to chemicals.

Abkürzungen und Akronyme siehe Übersichtstabelle unter [www.euphrac.eu](http://www.euphrac.eu)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.