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

**1.1. Product identifier**

**Name of product** Cleaning agents for plastics, prevents stress cracking

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

**Recommended intended purpose(s)**

cleaner

**1.3. Details of the supplier of the safety data sheet**

**Distributor** Daimler AG  
D-70546 Stuttgart Germany

**Advice**

Phone +49 (0)711 17-97390  
Fax +49 (0)711 17-94831  
E-mail (competent person):  
Mercedes-Benz-SDB@daimler.com

**1.4. Emergency telephone number**

**Emergency advice** Phone +49 (0)711 17-0

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**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

**Additional hints**

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

**2.2. Label elements**

**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

**Precautionary Statements**

**General**

P102 Keep out of reach of children.

**Disposal**

P501 Dispose of contents/container in accordance with regional regulations.

**Special rules for supplemental label elements for certain mixtures**

Safety data sheet available on request.

**Additional information**

**! Remark**

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



## 2.3. Other hazards

### 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 the following substances with non-hazardous admixtures.

#### Hazardous ingredients

CAS No	EC No	Name	[%]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol	1 - 2,5	Eye Irrit. 2, H319
64-17-5	200-578-6	ethanol	5 - 10	Flam. Liq. 2, H225 / Eye Irrit. 2, H319

#### REACH

CAS No	Name	REACH registration number
112-34-5	2-(2-butoxyethoxy)ethanol	01-2119475104-44
64-17-5	ethanol	01-2119457610-43

#### Labelling for contents according to regulation (EC) No 648/2004, annex VII

Preservation agent (2-BROMO-2-NITROPROPANE-1,3-DIOL)

## ! SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Special measures do not occur

#### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

#### In case of skin contact

In case of contact with skin wash off with soap and water.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Do not induce vomiting.

Call for a doctor immediately.

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

No information available.

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

#### ! Treatment (Advice to doctor)

Treat symptoms.



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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam

Dry fire-extinguishing substance

Carbon dioxide

water mist

#### Unsuitable extinguishing media

Full water jet

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

Fire gas of organic material has to be classed invariably as respiratory poison.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Special measures do not occur

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## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

No special measures required.

#### For emergency responders

No special measures required.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Dilute with a lot of water

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

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

### 6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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## ! SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

No special measures required.

#### General protective measures

Adhere to general precaution rules when handling chemicals

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**Hygiene measures**

Clean skin thoroughly after working.  
At work do not eat, drink and smoke.  
Keep away from food and drink.  
Wash hands before breaks and after work.

**Advice on protection against fire and explosion**

No special measures necessary.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

No particular requirements.

**Advice on storage compatibility**

no

**Further information on storage conditions**

no

**7.3. Specific end use(s)****! Recommendation(s) for intended use**

See section 1.2

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)**

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
112-34-5	2-(2-butoxyethoxy)ethanol	8 hours	67,5	10	
		Short-term	101,2	15	

**DNEL-/PNEC-values****DNEL worker**

CAS No	Substance name	Value	Code	Remark
112-34-5	2-(2-butoxyethoxy)ethanol	20 mg/kg bw/day	DNEL long-term dermal (systemic)	
		67,5 mg/m3	DNEL long-term inhalative (local)	
		101,2 mg/m3	DNEL acute inhalative (local)	
		67,5 mg/m3	DNEL long-term inhalative (systemic)	

**DNEL Consumer**

CAS No	Substance name	Value	Code	Remark
112-34-5	2-(2-butoxyethoxy)ethanol	34 mg/m3	DNEL long-term inhalative (local)	
		10 mg/kg bw/day	DNEL long-term dermal (systemic)	
		50,6 mg/m3	DNEL acute inhalative (local)	
		1,25 mg/kg bw/day	DNEL long-term oral (repeated)	
		35 mg/m3	DNEL long-term inhalative (systemic)	



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**PNEC**

CAS No	Substance name	Value	Code	Remark
112-34-5	2-(2-butoxyethoxy)ethanol	3,9 mg/l	PNEC aquatic, intermittent release	
		0,4 mg/kg	PNEC sediment, marine water	
		0,1 mg/l	PNEC aquatic, marine water	
		0,4 mg/kg	PNEC soil	
		4 mg/kg	PNEC sediment, freshwater	
		200 mg/l	PNEC sewage treatment plant (STP)	
		1 mg/l	PNEC aquatic, freshwater	

**8.2. Exposure controls**

**Respiratory protection**

Not required

**Hand protection**

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.

Glove materials data [type, thickness, breakthrough time/duration of use, permeation rate]: Butyl rubber, >480 min, 0,7 mm

**Eye protection**

Safety glasses recommended during transfer

**Other protection measures**

Not required

**! SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

liquid

**Colour**

clear

**Odour**

characteristic

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	10,5	20 °C			
<b>boiling point</b>	78 °C				
<b>melting point</b>	not determined				
<b>Flash point</b>	not applicable				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not applicable				



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	Value	Temperature	at	Method	Remark
<b>Flammability (gas)</b>	not applicable				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>					The product is not self-igniting.
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	0,98		20 °C		
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					Completely miscible
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>	not determined				
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	The product is not explosive				
<b>9.2. Other information</b>	no				

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No hazardous reactions known.

**10.2. Chemical stability**

No information available.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.



**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

**Thermal decomposition**

Remark No decomposition if used as directed.

**! SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>Skin irritation</b>	non-irritant			
<b>Eye irritation</b>	non-irritant			Based on the results of toxicological investigations
<b>Skin sensitization</b>	non-sensitizing			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Mutagenicity</b>				not mutagenic
<b>Reproduction-Toxicity</b>				not toxic for reproduction
<b>Carcinogenicity</b>				not cancerogenic

**! Specific target organ toxicity (single exposure)**

The substance or mixture is not classified as specific target organ toxicant, single exposure.

**! Specific target organ toxicity (repeated exposure)**

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**! Aspiration hazard**

No classification in relation to aspiration toxicity

**Experiences made from practice**

More frequent or continuous eye contact can lead to eye irritation.



**SECTION 12: Ecological information**

**12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information 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**

**General regulation**

Do not allow uncontrolled leakage of product into the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Disposal in accordance with local regulations.

**Recommended cleansing agent**

Water, with cleaning agents if necessary.

**General information**

The waste code must be allocated in compliance with the EAK-regulation referring to the specific process and the sector

**SECTION 14: Transport information**

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-





ADR/RID	IMDG	IATA-DGR
<b>14.5. Environmental hazards -</b>	-	-
<b>14.6. Special precautions for user</b> No information available.		
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> not applicable		
<b>Transport/further information</b> 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**

**VOC standard**

VOC content 10 %

**15.2. Chemical Safety Assessment**

Substance safety analysis was not performed for this mixture.

**SECTION 16: Other information**

**Recommended uses and restrictions**

Adhere to existing national and local rules referring to chemicals.

**Further information**

The data given above is based on the present state of our knowledge ; no warranty is expressed or to be implied regarding the properties of the product. Existing laws and regulations must be adhered to by the user of our product on his own responsibility.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.8

**Sources of key data used**

Safety data sheets of suppliers

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.