

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

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

### 1.1 Product identifier

Trade name : E589-AE4 hebro®multiplus

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

Use of the Sub- : Creeping and fine oil  
stance/Mixture

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

Company : hebro chemie- ZN der Rockwood Specialties Group  
GmbH  
Rostocker Str. 40  
41199 Mönchengladbach

Contact person : Zentrale hebro chemie  
Telephone : +49 (0) 2166 6009-0  
Telefax : +49 (0) 2166 6009-99

Contact person product safety : Abteilung Produktsicherheit  
Telephone : +49(0)2166 6009-311  
E-mail address : msds.de@hebro-chemie.de

### 1.4 Emergency telephone number

: Giftinformationszentrum Erfurt:  
+49 (0) 361 730 730

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 2 H222: Extremely flammable aerosol.  
H229: Pressurised container: May burst if heated.

Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

# SAFETY DATA SHEET

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Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**



A brand of BASF – we create chemistry

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Revision Date: 07.02.2024

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Hazard statements : H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P251 Do not pierce or burn, even after use.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

**Storage:**

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Hazardous components which must be listed on the label:**

Hydrocarbons, C10 - C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics

**Additional Labelling**

EUH066 Repeated exposure may cause skin dryness or cracking.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Penetrating oil based on highly purified hydrocarbons added with lubricant components

**Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Hydrocarbons, C10 - C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics	Not Assigned 918-481-9 01-2119457273-39	Muta. 1B; H340 Carc. 1B; H350 Asp. Tox. 1; H304	>= 50 - < 65
Distillates (petroleum), hydrotreated light paraffinic (Nota L)	64742-55-8 265-158-7 01-2119487077-29	Asp. Tox. 1; H304	>= 10 - < 25
calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	1474044-79-5 01-2119980985-16	Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 2.5 - < 10
Mixture of tert-butylated/ isobutylated triphenyl phosphate; triphenyl phosphate > 0,25% < 25%	68937-40-6 273-065-8	Aquatic Chronic 2; H411	>= 2.5 - < 10
Sulfonic acids, petroleum, calcium	61789-86-4	Skin Sens. 1; H317	>= 0.1 - < 1

# SAFETY DATA SHEET

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Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**



A brand of BASF – we create chemistry

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salts	263-093-9 01-2119488992-18	specific concentration limit Skin Sens. 1B; H317 10 - 100 %	
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6 271-529-4 01-2119492627-25	Skin Sens. 1B; H317 specific concentration limit Skin Sens. 1B; H317 10 - 100 %	$\geq 0.1 - < 1$
Substances with a workplace exposure limit :			
Butane	106-97-8 203-448-7 601-004-00-0 01-2119474691-32		$\geq 2.5 - < 10$

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : Provide fresh air.  
Keep patient warm and at rest.  
If symptoms persist, call a physician.
- In case of skin contact : Take off all contaminated clothing immediately.  
After contact with skin, wash immediately with plenty of soap and water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical advice.
- If swallowed : Call a physician immediately.  
Keep at rest.  
Do NOT induce vomiting.

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

- Risks : May cause genetic defects.

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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

Dry powder  
Water spray jet

Unsuitable extinguishing media : High volume water jet

## 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Hazardous decomposition products formed under fire conditions.  
Carbon monoxide  
Nitrogen oxides (NO<sub>x</sub>)

## 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Use water spray to cool unopened containers.  
Suppress (knock down) gases/vapours/mists with a water spray jet.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

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

Personal precautions : Ensure adequate ventilation.  
Do not breathe vapours, aerosols.  
Remove all sources of ignition.

### 6.2 Environmental precautions

Environmental precautions : Do not empty into drains.  
Inform the relevant authorities if it enters sewers, aquatic environment or soil.

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

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8., For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Keep away from open flames, hot surfaces and sources of ignition.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**



A brand of BASF – we create chemistry

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

Take precautionary measures against static discharges.  
Avoid contact with skin and eyes.  
Do not breathe vapours or spray mist.  
When using do not eat, drink or smoke.  
For personal protection see section 8.

Advice on protection against fire and explosion : Vapours are heavier than air and may spread along floors.  
Vapours may form explosive mixtures with air.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Follow the water regulations. Keep only in the original container in a cool, well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Keep only in the original container in a cool, well-ventilated place. Keep away from heat. Keep away from sources of ignition - No smoking.

Advice on common storage : Incompatible with oxidizing agents.

Recommended storage temperature : -7 - 40 °C

## 7.3 Specific end use(s)

Specific use(s) : Creeping and fine oil

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Butane	106-97-8	TWA	600 ppm 1,450 mg/m <sup>3</sup>	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic damage., Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene			
		STEL	750 ppm 1,810 mg/m <sup>3</sup>	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic damage., Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene			
		STEL	750 ppm 1,810 mg/m <sup>3</sup>	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic damage., Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene			
		TWA	600 ppm 1,450 mg/m <sup>3</sup>	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic dam-			

# SAFETY DATA SHEET

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**E589-AE4 hebro®multiplus**



A brand of BASF – we create chemistry

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

	age., Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene			
		TWA	600 ppm 1,450 mg/m <sup>3</sup>	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic damage.			
		STEL	750 ppm 1,810 mg/m <sup>3</sup>	GB EH40
	Further information: Capable of causing cancer and/or heritable genetic damage.			

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	Workers	Skin contact	Long-term systemic effects	0.00032 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	2.23 mg/m <sup>3</sup>

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	Fresh water	0.00027 mg/l
	Marine water	0.000027 mg/l
	Sewage treatment plant	10 mg/l
	Intermittent use/release	0.0027 mg/l
	Fresh water sediment	4.69 mg/kg
	Marine sediment	0.469 mg/kg
	Soil	0.936 mg/kg

## 8.2 Exposure controls

### Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

### Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

Hand protection  
Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The exact break through time can be obtained from the protective glove producer and this has to be observed.

Skin and body protection : Work uniform or laboratory coat.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
The filter class for the respirator must be suitable for the max-

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according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**



A brand of BASF – we create chemistry

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

imum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Filter type : ABEK-filter

Protective measures : Follow the skin protection plan.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	:	aerosol
Colour	:	colourless
Odour	:	odourless
Melting point/freezing point	:	Not applicable
Boiling point/boiling range	:	Not applicable
Upper explosion limit / Upper flammability limit	:	Upper flammability limit 6.5 %(V)
Lower explosion limit / Lower flammability limit	:	Lower flammability limit 0.6 %(V)
Flash point	:	< 1 °C
Auto-ignition temperature	:	230 °C
pH	:	Not applicable
Viscosity Viscosity, kinematic	:	Not applicable
Solubility(ies) Water solubility	:	insoluble
Partition coefficient: n-	:	Not applicable

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
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**E589-AE4 hebro®multiplus**

Version: 2.8

Revision Date: 07.02.2024

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octanol/water

Vapour pressure : Not applicable

Density : 0.73 g/cm<sup>3</sup> (20 °C)  
Method: DIN 51757

Relative vapour density : not determined

## 9.2 Other information

Explosives : Vapours may form explosive mixture with air.

Substances and mixtures,  
which in contact with water,  
emit flammable gases : In use, may form flammable/explosive vapour-air mixture.

Metal corrosion rate : Not applicable

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : Product is stable under appropriate usage.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition  
products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of ni-  
trogen (NO<sub>x</sub>), dense black smoke.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Not classified due to lack of data.

#### Components:

##### **Hydrocarbons, C10 - C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402

##### **Distillates (petroleum), hydrotreated light paraffinic (Nota L):**

Acute oral toxicity : LD50 (Rat): > 5,000.0 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 3,000 mg/kg

##### **calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate):**

Acute oral toxicity : LD50 (Rat): > 2,500 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50: > 10,000 mg/kg

##### **Mixture of tert-butylated/ iso-butylated triphenyl phosphate; triphenyl phosphate > 0,25% < 25%:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

#### **Skin corrosion/irritation**

Not classified due to lack of data.

#### Product:

Remarks : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

#### **Serious eye damage/eye irritation**

Not classified due to lack of data.

#### Product:

Remarks : The liquid splashed in the eyes may cause irritation and reversible damage.

#### **Respiratory or skin sensitisation**

##### **Skin sensitisation**

Not classified due to lack of data.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

## Respiratory sensitisation

Not classified due to lack of data.

### Product:

Remarks : This information is not available.

## Germ cell mutagenicity

May cause genetic defects.

## Carcinogenicity

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

### Product:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

## Reproductive toxicity

Not classified due to lack of data.

### STOT - single exposure

Not classified due to lack of data.

### STOT - repeated exposure

Not classified due to lack of data.

## Aspiration toxicity

Not classified due to lack of data.

## 11.2 Information on other hazards

### Further information

### Product:

Remarks : According to many years of experience, there are no known harmful effects when handled properly.  
Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### Hydrocarbons, C10 - C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics:

Toxicity to fish : (Oncorhynchus mykiss (rainbow trout)): > 1,000 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

plants

Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): 1,000 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### **calcium bis(di C8-C10, branched, C9 rich, alkyl naphthalenesulphonate):**

Toxicity to fish : LC50 (Fish): > 0.28 mg/l  
Exposure time: 96 h  
Test substance: Read-across (Analogy)

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): > 0.27 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : NOEC (Algae): > 0.27 mg/l  
Exposure time: 72 h

### **Mixture of tert-butylated/ iso-butylated triphenyl phosphate; triphenyl phosphate > 0,25% < 25%:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 3.4 mg/l  
Exposure time: 96 h

LC50 (Pimephales promelas (Fathead minnow)): 42.3 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 3.9 mg/l  
Exposure time: 48 h

## 12.2 Persistence and degradability

### **Product:**

Biodegradability : Remarks: No data available

## 12.3 Bioaccumulative potential

### **Product:**

Bioaccumulation : Remarks: No data available

## 12.4 Mobility in soil

### **Product:**

Mobility : Remarks: No data available

### **Components:**

### **calcium bis(di C8-C10, branched, C9 rich, alkyl naphthalenesulphonate):**

Distribution among environmental compartments : Adsorption/Soil  
log Koc: 5.24  
Remarks: Information taken from reference works and the literature.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

## 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Endocrine disrupting properties

No data available

## 12.7 Other adverse effects

**Product:**

Additional ecological information : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.  
Do not let product enter drains.  
Do not dispose of with domestic refuse.

Contaminated packaging : Dispose of in accordance with local regulations.

Waste Code : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

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## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR : UN 1950  
RID : UN 1950  
IMDG : UN 1950  
IATA : UN 1950

### 14.2 UN proper shipping name

ADR : AEROSOLS  
RID : AEROSOLS  
IMDG : AEROSOLS  
IATA : Aerosols, flammable

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADR	: 2	2.1

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**



A brand of BASF – we create chemistry

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

**RID** : 2 2.1  
**IMDG** : 2.1  
**IATA** : 2.1

## 14.4 Packing group

### ADR

Packing group : Not assigned by regulation  
Classification Code : 5F  
Labels : 2.1  
Tunnel restriction code : (D)

### RID

Packing group : Not assigned by regulation  
Classification Code : 5F  
Hazard Identification Number : 23  
Labels : 2.1

### IMDG

Packing group : Not assigned by regulation  
Labels : 2.1  
EmS Code : F-D, S-U  
Remarks : "IMDG-Code segregation group not applicable"., Protected from sources of heat., For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS or WASTE GAS CARTRIDGES: Category C, Clear of living quarters., For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

### IATA (Cargo)

Packing instruction (cargo aircraft) : 203  
Packing instruction (LQ) : Y203  
Packing group : Not assigned by regulation  
Labels : Flammable Gas

### IATA\_P (Passenger)

Packing instruction (passenger aircraft) : 203  
Packing instruction (LQ) : Y203  
Packing group : Not assigned by regulation  
Labels : Flammable Gas

## 14.5 Environmental hazards

### ADR

Environmentally hazardous : no

### RID

Environmentally hazardous : no

### IMDG

Marine pollutant : no

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

**E589-AE4 hebro®multiplus**



A brand of BASF – we create chemistry

Version: 2.8

Revision Date: 07.02.2024

Print Date: 08.02.2024

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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## SECTION 16: Other information

### Full text of H-Statements

H304 : May be fatal if swallowed and enters airways.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H319 : Causes serious eye irritation.  
H340 : May cause genetic defects.  
H350 : May cause cancer.  
H411 : Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard  
Asp. Tox. : Aspiration hazard  
Carc. : Carcinogenicity  
Eye Irrit. : Eye irritation  
Muta. : Germ cell mutagenicity  
Skin Irrit. : Skin irritation  
Skin Sens. : Skin sensitisation  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by

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Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

Other information : The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.  
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### Classification of the mixture:

Aerosol 2 H222, H229  
Aquatic Chronic 3 H412

### Classification procedure:

Calculation method  
Calculation method

GB / EN