

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Daplen™ EG107HP-9590

Version 2.0

Revision Date: 18.12.2015

Print Date 15.06.2016

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

#### 1.1 Product identifier

Trade name : Daplen EG107HP-9590

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

Use of the Substance/Mixture : raw material for plastics industry

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

Supplier : Borealis AG  
Wagramer Strasse 17-19, 1220 Vienna, Austria  
Telephone: +43 1 22400 0

E-mail address : [sds@borealisgroup.com](mailto:sds@borealisgroup.com)

#### 1.4 Emergency telephone number

Contact your national emergency telephone number.

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Not a hazardous substance or mixture.

#### 2.2 Label elements

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

Not a hazardous substance or mixture.

##### Additional Labelling:

EUH210 .Safety data sheet available on request.

EUH208 Contains N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine.  
May produce an allergic reaction.

#### 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. The product burns, but is not classified as flammable.

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Daplen is a trademark of the Borealis group.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : The product is a polypropylene polymer.  
It contains talc.  
It contains colorants.

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	106990-43-6 401-990-0 01-0000015180-83	Aquatic Chronic 2; H411 Skin Sens. 1; H317 STOT RE 2; H373	>= 0,25 - < 1

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

In case of skin contact : Wash off with soap and plenty of water.  
Call a physician if irritation develops or persists.

Cool melted product on skin with plenty of water. Do not remove solidified product.

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

Symptoms : Inhalation of dust may irritate the respiratory tract.  
Prolonged inhalation of high doses of decomposition products may give headache or irritation of the respiratory tract.

Skin contact:  
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

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

Treatment : No specific instructions needed.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Water in spread jet, dry chemicals, foam or carbon dioxide.

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

Specific hazards during firefighting : Principal toxicant in the smoke is carbon monoxide.

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.

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### SECTION 6: Accidental release measures

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

Personal precautions : Ensure adequate ventilation.  
Use personal protective equipment.  
For personal protection see section 8.  
For disposal considerations see section 13.

#### 6.2 Environmental precautions

Environmental precautions : No specific measures identified.

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

Methods for cleaning up : Vacuum or sweep up spill.  
All spill of material must be removed immediately to prevent slipping accidents.

#### 6.4 Reference to other sections

For personal protection see section 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 : During processing and thermal treatment of the product, small amounts of volatile hydrocarbons may be released.  
Provide adequate ventilation.  
Local exhaust ventilation may be necessary.  
Avoid inhalation of dust and decomposition fumes.

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Avoid contact with skin and eyes.

The product contains small amounts of a substance classified as sensitising, which may produce an allergic reaction to susceptible personnel.

Personnel sensitised to this substance should not be allowed to handle the product.

Advice on protection against fire and explosion : Dust from the product gives a potential risk for dust explosion. All equipment shall be grounded.

Hygiene measures : When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers : Safety aspects do not require any special precautions in terms of storage.

### 7.3 Specific end use(s)

Specific use(s) : Raw material for automotive applications.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Talc has a workplace exposure limit in some European countries, but is not classified as hazardous., However, as the chemical is embedded in a solid polymer, exposure is unlikely, unless the polymer is processed in a way that makes such exposure possible.

#### DNEL:

Remarks: Not applicable

#### PNEC:

Not applicable

### 8.2 Exposure controls

#### Engineering measures

Provide adequate ventilation.  
Local exhaust ventilation may be necessary.

#### Personal protective equipment

Eye protection : Safety glasses

Hand protection

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Material : Nitrile rubber

Remarks : The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

### Environmental exposure controls

General advice : No specific measures identified.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : pellets

Colour : black

Odour : odourless

pH : Not applicable insoluble

Melting range : 130 - 170 °C

Boiling range : Decomposes on heating.

Flash point : Not applicable, (solid)

Evaporation rate : Not applicable (solid)

Flammability (solid, gas) : The product is not flammable.

Upper explosion limit : Not applicable

Lower explosion limit : Not applicable

Vapour pressure : Not applicable (solid)

Density : 0,9 - 1,0 g/cm<sup>3</sup>

Bulk density : 500 - 600 kg/m<sup>3</sup>

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Solubility(ies)	
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: Not applicable insoluble
Ignition temperature	: > 320 °C
Viscosity	
Viscosity, kinematic	: no data available
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

### 9.2 Other information

no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

The product is a stable thermoplastic, with no chemical reactivity.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : None known.

### 10.4 Conditions to avoid

Conditions to avoid : None known.

### 10.5 Incompatible materials

Materials to avoid : None known.

### 10.6 Hazardous decomposition products

Under fire conditions:, Carbon monoxide

During processing and thermal treatment of the product, small amounts of volatile hydrocarbons may be released.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

**Product:**

Acute oral toxicity : Remarks: No known effect.

Acute inhalation toxicity : Remarks: No known effect.

Acute dermal toxicity : Remarks: No known effect.

##### Skin corrosion/irritation

**Product:**

Remarks: No known effect.

##### Serious eye damage/eye irritation

**Product:**

Remarks: No known effect.

##### Respiratory or skin sensitisation

**Product:**

Remarks: Repeated contact may cause allergic reactions in very susceptible persons.

##### STOT - repeated exposure

**Product:**

Remarks: Health injuries are not known or expected under normal use.

##### Further information

**Product:**

Remarks: The product is not classified as hazardous for human. Information given is based on data of the components.

Remarks: Inhalation of dust may irritate the respiratory tract. Prolonged inhalation of high doses of decomposition products may give headache or irritation of the respiratory tract.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

**Components:**

**N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine:**

Toxicity to fish : Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: no data available

#### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: Not readily biodegradable.

#### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: Does not accumulate in organisms.

#### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: The product is insoluble and floats on water., Not expected to adsorb on soil.

#### 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 Other adverse effects

**Product:**

Additional ecological information : Remarks: The product is not considered hazardous for the environment.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Product : Reuse or recycle if not contaminated.  
The product may be safely used as fuel.  
Proper combustion does not require any special flue gas control.  
Check with local regulations.

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### SECTION 14: Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good  
Not regulated as a dangerous good

#### 14.6 Special precautions for user

Remarks : Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

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

Remarks : Not applicable

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### SECTION 15: Regulatory information

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

Other regulations : no data available

#### 15.2 Chemical Safety Assessment

no

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### SECTION 16: Other information

#### Full text of H-Statements

- H317 : May cause an allergic skin reaction.  
H373 : May cause damage to organs through prolonged or repeated exposure.  
H411 : Toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

- Aquatic Chronic : Chronic aquatic toxicity  
Skin Sens. : Skin sensitisation  
STOT RE : Specific target organ toxicity - repeated exposure

#### Further information

- Other information : Issued according to Regulation (EC) No 1907/2006, Annex II, and its amendments.  
  
Issuer : Borealis, Group Product Stewardship / Maarit Vakkala  
  
Sources of key data used to compile the Safety Data Sheet : The classification information of components is based on raw material supplier data.

#### Disclaimer

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