

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Daplen™ EG107HP-9590

Version 2.0

Revision Date: 26.05.2017

Print Date 27.05.2017

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

1.4 Emergency telephone number

0870 600 6266 National Poisons Information Service, UK (24h)

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

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.

Daplen is a trademark of the Borealis group.

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SAFETY DATA SHEET

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Daplen EG107HP-9590

Version 2.0

Revision Date: 26.05.2017

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The product burns, but is not classified as flammable.

Results of PBT and vPvB 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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
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	Skin Sens. 1; H317 Aquatic Chronic 2; H411 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

SAFETY DATA SHEET

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Daplen EG107HP-9590

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reactions with susceptible persons.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No specific instructions needed.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

Unsuitable extinguishing media : High volume water jet

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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

No specific measures identified.

6.3 Methods and material for containment and 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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Daplen EG107HP-9590

Version 2.0

Revision Date: 26.05.2017

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : 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.

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Daplen EG107HP-9590

Version 2.0

Revision Date: 26.05.2017

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Personal protective equipment

Eye protection	: Safety glasses
Hand protection	
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)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Daplen EG107HP-9590

Version 2.0

Revision Date: 26.05.2017

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Density	: 0,9 - 1,0 g/cm ³
Bulk density	: 500 - 600 kg/m ³
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

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Daplen EG107HP-9590

Version 2.0

Revision Date: 26.05.2017

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

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:

No known effect.

Serious eye damage/eye irritation

Product:

No known effect.

Respiratory or skin sensitisation

Product:

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Daplen EG107HP-9590

Version 2.0

Revision Date: 26.05.2017

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SECTION 12: Ecological information

12.1 Toxicity

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.

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Daplen EG107HP-9590

Version 2.0

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control.
Check with local regulations.

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

14.6 Special precautions for user

Remarks : Not dangerous goods in the meaning of ADR/RID, ADN,
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

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

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Daplen EG107HP-9590

Version 2.0

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H411 : exposure.
: 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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