

Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP), as amended by Commission Regulation (EU) 2019/521 and Commission Delegated Regulation (EU) 2020/217, and (EC) No. 1907/2006 (REACH)

Initial preparation date: 12.09.2021

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

1.1 Product identifier

Product Name: Nylon 12 GF

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

Relevant identified uses: Not determined or not applicable.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

1.3 Details of the manufacturer/supplier of the safety data sheet

1.4 Emergency telephone number:

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 (CLP): The substance is not classified as hazardous according to the Globally Harmonized System (GHS).

Hazard-determining components of labeling:

Respirable Carbon Black

Additional Information: None

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Hazard pictograms: None

Signal Word: None

Hazard statements: None

Precautionary statements: None

2.3 Other hazards: None known

SECTION 3: Composition/information on ingredients

3.1 Substance: Not applicable.

3.2 Mixture:

Identification	REACH Registration No.	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %
CAS number: 1333-86-4 EC number: 215-609-9	-	Respirable Carbon Black	Carc. 2; H351	<1

Additional information: None

Full Text of H and EUH statements: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Not determined or not available.

Following inhalation:

Not determined or not available.

Following skin contact:

Not determined or not available.

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Following eye contact:

Not determined or not available.

Following ingestion:

Not determined or not available.

Self-Protection of the first aider:

Not determined or not available.

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects: Not determined or not available.

Delayed symptoms and effects:

Not determined or not available.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment:

Not determined or not available.

Notes for the doctor:

Not determined or not available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Not determined or not applicable.

Unsuitable extinguishing media:

Not determined or not applicable.

5.2 Special hazards arising from the substance or mixture:

Not determined or not applicable.

5.3 Advice for firefighters

Personal protection equipment:

Not determined or not applicable.

Special precautions:

Not determined or not applicable.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Not determined or not applicable.

6.2 Environmental precautions:

Not determined or not applicable.

6.3 Methods and material for containment and cleaning up:

Not determined or not applicable.

6.4 Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Not determined or not applicable.

7.2 Conditions for safe storage, including any incompatibilities:

Not determined or not applicable.

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7.3 Specific end use(s):

Not determined or not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Croatia	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³ (Dangerous Substances Exposure Limit Values in the Workplace)
	Respirable Carbon Black	1333-86-4	15-Minute STEL: 7 mg/m ³ (Dangerous Substances Exposure Limit Values in the Workplace)
Cyprus	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³ (Control of factory atmosphere and dangerous substances in factories regulation)
Czech Republic	Respirable Carbon Black	1333-86-4	8-Hour TWA: 2 mg/m ³ (Government Decree 361/2007 Sb)
Poland	Respirable Carbon Black	1333-86-4	8-Hour TWA: 4 mg/m ³ (inhalable fraction)
Slovakia	Respirable Carbon Black	1333-86-4	TWA: 2 mg/m ³ ((Regulation No. 355.2006 concerning protection of workers exposed to chemical agents, Annex 1) (NPEL))
Belgium	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m ³
Denmark	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³
	Respirable Carbon Black	1333-86-4	STEL: 7 mg/m ³
Finland	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³
	Respirable Carbon Black	1333-86-4	15-Minute STEL: 7 mg/m ³
France	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³
Greece	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³
	Respirable Carbon Black	1333-86-4	15-Minute STEL: 7 mg/m ³
Ireland	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m ³ (inhalable fraction)
Italy	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m ³ (Legislative Decree n.81)
Portugal	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³ (VLE)
Spain	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³ (VLA: VLA_ED)
United Kingdom	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m ³ (WEL)
	Respirable Carbon Black	1333-86-4	STEL: 7 mg/m ³ (WEL)
Sweden	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m ³
Bulgaria	Respirable Carbon Black	1333-86-4	TWA: 8 mg/m ³ (Cement dust, containing less than 2% free crystalline silicon dioxide, inhalable fraction)
	Respirable Carbon Black	1333-86-4	TWA: 3 mg/m ³ (respirable fraction)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Respirable Carbon Black	1333-86-4	TWA: 5 mg/m ³ (Wool dust, wool textile dust and mixtures, containing synthetic fibers, dust from insects, down and feathers, inhalable fraction)
Hungary	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m ³ (inhalable dust)
Latvia	Respirable Carbon Black	1333-86-4	8-Hour TWA: 5 mg/m ³ (Fiberglass, with a polyester resin base)
	Respirable Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m ³ (Dusts, plant and animal origin: tea dust)
	Respirable Carbon Black	1333-86-4	8-Hour TWA: 4 mg/m ³ (Carbon dust-coal, anthracite and other coal dust, oil, coke, hard coal, dark industrial soot)
Lithuania	Respirable Carbon Black	1333-86-4	8-Hour TWA: 10 mg/m ³ (Dust, inhalable fraction)
	Respirable Carbon Black	1333-86-4	8-Hour TWA: 5 mg/m ³ (Dust, respirable fraction)
Slovenia	Respirable Carbon Black	1333-86-4	8-Hour TWA: 10 mg/m ³ (Dust, inhalable fraction)
	Respirable Carbon Black	1333-86-4	15-Minute STEL: 20 mg/m ³ (Dust, inhalation fraction)
	Respirable Carbon Black	1333-86-4	8-Hour TWA: 1.25 mg/m ³ (Dust, respirable fraction)
	Respirable Carbon Black	1333-86-4	15-Minute STEL: 2.5 mg/m ³ (Dust, respirable fraction)
Austria	Respirable Carbon Black	1333-86-4	8-Hour TWA: 5 mg/m ³ (Respirable fraction)
	Respirable Carbon Black	1333-86-4	60-Minute STEL: 10 mg/m ³ (Respirable fraction)
Germany (TRGS 900)	Respirable Carbon Black	1333-86-4	Limit Value: 1.25 mg/m ³ (General dust limit value, alveolar fraction)
	Respirable Carbon Black	1333-86-4	15-Minute STEL: 10 mg/m ³ (General dust limit, inhalable fraction)
Germany (MAK)	Respirable Carbon Black	1333-86-4	8-Hour TWA: 4 mg/m ³ (Dust, general threshold limit value (inhalable fraction))

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Derived No Effect Level (DNEL):

Ingredient Name: Respirable Carbon Black

CAS #: 1333-86-4

Workers - Systemic Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified

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Workers - Local Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	0.5 mg/m ³
	Chronic - Dermal	No hazard identified
General Population - Systemic Effects	Acute - Oral	No hazard identified
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	No hazard identified
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified
General Population - Local Effect	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified

Predicted No Effect Concentration (PNEC):

Ingredient Name: Respirable Carbon Black

CAS #: 1333-86-4

Environmental Protection Target	PNEC
Fresh water	1 mg/L
Freshwater sediments	No hazard identified
Marine water	0.1 mg/L
Marine sediments	No hazard identified
Microorganisms in sewage treatment	Not determined or not available.
Soil (agricultural)	No hazard identified
Air	No hazard identified
Food chain	No exposure expected

Information on monitoring procedures:

Not determined or not applicable.

8.2 Exposure controls

Appropriate engineering controls:

Not determined or not applicable.

Personal protection equipment

Eye and face protection:

Not determined or not applicable.

Skin and body protection:

Not determined or not applicable.

Respiratory protection:

Not determined or not applicable.

General hygienic measures:

Not determined or not applicable.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the

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requirements of environmental protection legislation.

Product (substance / mixture) related measures to prevent exposure:	Not determined or not applicable.
Instruction measures to prevent exposure:	Not determined or not applicable.
Organisational measures to prevent exposure:	Not determined or not applicable.
Technical measures to prevent exposure:	Not determined or not applicable.

Risk management measures to control exposure:

Not determined or not applicable.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Not determined or not available.
Odor	Not determined or not available.
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

9.2 Other information

None.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Does not react under normal conditions of use and storage.

10.2 Chemical stability:

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions:

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None under normal conditions of use and storage.

10.4 Conditions to avoid:

None known.

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Product data: No data available.

Substance data:

Name	Route	Result
Respirable Carbon Black	oral	LD50 Rat: >2000 mg/kg
	dermal	LD50 Rabbit: >3000 mg/kg

Skin corrosion/irritation

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

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

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

Product data:

No data available.

Substance data: No data available.

Respiratory or skin sensitization

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

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

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

Product data: No data available.

Substance data:

Name	Species	Result
Respirable Carbon Black	Not applicable	Suspected of causing cancer by inhalation exposure route.

International Agency for Research on Cancer (IARC):

Name	Classification
Respirable Carbon Black	Group 2B

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

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

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Product data: No data available.

Substance data: No data available.

Reproductive Toxicity

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

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

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

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

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

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

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

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

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

Product data: No data available.

Substance data:

Name	Result
Respirable Carbon Black	Fish LC50 Danio reruo: >1000 mg/L (96 h)
	Aquatic Plants EC50 Desmodemus subspicatus: >10000 mg/L (48 h)

Chronic (long-term) toxicity

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

Product data: No data available.

Substance data: No data available.

12.2 Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Respirable Carbon Black	Carbon black is an inorganic substance and will not be biodegraded by microorganisms.

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12.3 Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
Respirable Carbon Black	Bioaccumulation is not expected to occur.

12.4 Mobility in soil

Product data: No data available.

Substance data: No data available.

12.5 Results of PBT and vPvB assessment

Product data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance data:

PBT assessment:

Respirable Carbon Black	This substance is not PBT.
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vPvB assessment:

Respirable Carbon Black	This substance is not vPvB.
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12.6 Other adverse effects: No data available.

12.7 Hazard to the ozone layer

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

Product data: No data available.

Substance data: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product / Packaging disposal: Not determined or not available.

Waste codes / waste designations according to LoW: Not determined or not available.

13.1.2 Waste treatment-relevant information: Not determined or not available.

13.1.3 Sewage disposal-relevant information: Not determined or not available.

13.1.4 Other disposal recommendations: It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None

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Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

Transport in bulk according to Annex II of MARPOL and the IBC Code

Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

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

European regulations

Inventory listing (EINECS): All ingredients are listed or exempt.

REACH SVHC candidate list: None of the ingredients are listed.

REACH SVHC Authorizations: None of the ingredients are listed.

REACH Restriction: None of the ingredients are listed.

Water hazard class (WGK) (Product): Not determined.

Water hazard class (WGK) (Substance):

Ingredient Name	CAS	Class
Respirable Carbon Black	1333-86-4	Non-hazardous to water

Other regulations

Germany TA Luft:

Ingredient Name	CAS	Class	Base Emission Rate	Max Concentration
Respirable Carbon Black	1333-86-4			

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

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Abbreviations and Acronyms: None

Summary of classification(s) in section 3:

Carc. 2	Carcinogenicity, category 2
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Summary of hazard statements in section 3:

H351	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
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Disclaimer:

This product has been classified in accordance with EC No. 1272/2008 (CLP), as amended by Commission Regulation (EU) 2019/521 and Commission Delegated Regulation (EU) 2020/217, and EC No. 1907/2006 (REACH). The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation, and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet