

## 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), as amended by Commission Regulation (EU) 2020/878.

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### Nylon 12 Tough

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

### 1.1 Product identifier

**Product Name:** Nylon 12 Tough

**Product code:** FLP12T1001

**UFI:** 6U20-V0JJ-1006-NHMV

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

**Relevant identified uses:** For use in Formlabs Fuse Printers.

**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

**Manufacturer:**

**United States**

Formlabs, Inc  
35 Medford St  
Suite 201 Somerville, MA 02143  
+1 617 855 0762  
sds@formlabs.com

**Supplier:**

**Germany**

Formlabs GmbH  
Nalepastr. 18  
Berlin, . 12459  
+49 30 700 146 501

### 1.4 Emergency telephone number:

**European Union**

CHEMTREC (EMEA)

+44 20 3885 0382 (24/7)

## 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:**

Trade Secret

**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:**

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Identification	EU REACH Registration No.	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %
CAS number: Trade Secret EC number: Trade Secret	-	Trade Secret	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:

Show this Safety Data Sheet to the doctor in attendance.

##### Following inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. If respiratory symptoms develop or persist, seek medical advice/attention.

##### Following skin contact:

Wash affected area with plenty of soap and water. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, seek medical advice/attention.

##### Following eye contact:

Immediately rinse eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. If eye irritation develops or persists, seek medical advice/attention.

##### Following ingestion:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

##### 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:

Product presents an explosion hazard when suspended in air under certain conditions. Inhalation of large amounts of dust may cause inflammation and irritation of the nose and throat. Symptoms may include cough, sore throat, tightness of the chest, chest pain and lightheadedness.

##### 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:

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media:

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Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

#### Unsuitable extinguishing media:

Do not use water jet.

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

May form combustible dust concentrations in air. Reacts with water and alcohols. Reacts violently with oxidants, strong acids and bases and chlorinated hydrocarbons. This generates a fire and explosion hazard. Thermal decomposition may produce irritating/toxic fumes/gases.

#### 5.3 Advice for firefighters

##### Personal protection equipment:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA).

##### Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers.

Avoid unnecessary run-off of extinguishing media which may cause pollution.

Violent reactions may result from the use of a water jet or halogenated extinguishing agents. When using extinguishers, avoid dispersing combustible dust into the air. Aim extinguishers directly at the base of the flames and apply the agent as gently as possible. Overall, give preference to using medium to wide spray patterns rather than solid streams. Use only non-sparking tools. Fire fight from a protected location or maximum possible distance. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

### SECTION 6: Accidental release measures

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

Evacuate unnecessary personnel. Extinguish any sources of ignition. Do not ventilate area as this may spread dust. Wear recommended personal protective equipment including suitable respiratory protection (see Section 8). Ensure no sources of electric discharge or ignition are on your person before entering area. Do not get on skin, eyes or on clothing. Avoid breathing dust, fumes. Wash thoroughly after handling. Remove contaminated clothing and laundry before reuse.

#### 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

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

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13). Avoid dust generation or stirring up of dust. Use only non-sparking tools. Ground all equipment used for recovery and clean up. Vacuum up and place in suitable containers for future disposal. Only use vacuum cleaners approved for dust collection.

#### 6.4 Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

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

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

#### 7.3 Specific end use(s):

Refer to Section 1 (Recommended Use).

### 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	Trade Secret	Trade Secret	8-Hour TWA: 3.5 mg/m <sup>3</sup>
	Trade Secret	Trade Secret	15-Minute STEL: 7 mg/m <sup>3</sup>
Cyprus	Trade Secret	Trade Secret	8-Hour TWA: 3.5 mg/m <sup>3</sup>
Czech Republic	Trade Secret	Trade Secret	8-Hour TWA: 10 mg/m <sup>3</sup> (dust)
Poland	Trade Secret	Trade Secret	8-Hour TWA: 4 mg/m <sup>3</sup> (inhalable fraction)
Slovakia	Trade Secret	Trade Secret	8-Hour TWA: 2 mg/m <sup>3</sup>
Belgium	Trade Secret	Trade Secret	8-Hour TWA: 3 mg/m <sup>3</sup>
Denmark	Trade Secret	Trade Secret	8-Hour TWA: 3.5 mg/m <sup>3</sup>
	Trade Secret	Trade Secret	STEL: 7 mg/m <sup>3</sup>
Finland	Trade Secret	Trade Secret	8-Hour TWA: 3.5 mg/m <sup>3</sup>
	Trade Secret	Trade Secret	15-Minute STEL: 7 mg/m <sup>3</sup>
France	Trade Secret	Trade Secret	8-Hour TWA: 3.5 mg/m <sup>3</sup>
Greece	Trade Secret	Trade Secret	8-Hour TWA: 3.5 mg/m <sup>3</sup>
	Trade Secret	Trade Secret	15-Minute STEL: 7 mg/m <sup>3</sup>
Ireland	Trade Secret	Trade Secret	8-Hour TWA: 3 mg/m <sup>3</sup> (inhalable fraction)
Italy	Trade Secret	Trade Secret	8-Hour TWA: 3 mg/m <sup>3</sup> (inhalable fraction)
Portugal	Trade Secret	Trade Secret	8-Hour TWA: 3 mg/m <sup>3</sup>
Spain	Trade Secret	Trade Secret	8-Hour TWA: 3.5 mg/m <sup>3</sup>
United Kingdom	Trade Secret	Trade Secret	8-Hour TWA: 3.5 mg/m <sup>3</sup>
	Trade Secret	Trade Secret	15-Minute STEL: 7 mg/m <sup>3</sup>

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
Sweden	Trade Secret	Trade Secret	8-Hour TWA: 3 mg/m <sup>3</sup>
Bulgaria	Trade Secret	Trade Secret	TWA: 3.5 mg/m <sup>3</sup> (soot, inhalable fraction)
Hungary	Trade Secret	Trade Secret	8-Hour TWA: 3 mg/m <sup>3</sup> (inhalable dust)
Latvia	Trade Secret	Trade Secret	8-Hour TWA: 4 mg/m <sup>3</sup> (Dust)
Lithuania	Trade Secret	Trade Secret	8-Hour TWA: 10 mg/m <sup>3</sup> (Dust, inhalable fraction)
	Trade Secret	Trade Secret	8-Hour TWA: 5 mg/m <sup>3</sup> (Dust, respirable fraction)
Slovenia	Trade Secret	Trade Secret	8-Hour TWA: 10 mg/m <sup>3</sup> (Dust, inhalable fraction)
	Trade Secret	Trade Secret	15-Minute STEL: 20 mg/m <sup>3</sup> (Dust, inhalable fraction)
	Trade Secret	Trade Secret	8-Hour TWA: 1.25 mg/m <sup>3</sup> (Dust, respirable fraction)
	Trade Secret	Trade Secret	15-Minute STEL: 2.5 mg/m <sup>3</sup> (Dust, respirable fraction)
Austria	Trade Secret	Trade Secret	8-Hour TWA: 5 mg/m <sup>3</sup> (Dust, biologically inert, respirable fraction)
	Trade Secret	Trade Secret	60-Minute STEL: 10 mg/m <sup>3</sup> (Dust, biologically inert, respirable fraction)
	Trade Secret	Trade Secret	8-Hour TWA: 10 mg/m <sup>3</sup> (Dust, biologically inert, inhalable fraction)
	Trade Secret	Trade Secret	60-Minute STEL: 20 mg/m <sup>3</sup> (Dust, biologically inert, inhalable fraction)
Germany (TRGS 900)	Trade Secret	Trade Secret	Limit Value: 1.25 mg/m <sup>3</sup> (General dust limit value, respirable fraction)
	Trade Secret	Trade Secret	8-Hour TWA: 10 mg/m <sup>3</sup> (General dust limit, inhalable fraction)
Germany (MAK)	Trade Secret	Trade Secret	8-Hour TWA: 4 mg/m <sup>3</sup> (Dust, general threshold limit value, inhalable fraction)
	Trade Secret	Trade Secret	15-Minute STEL: 20 mg/m <sup>3</sup> (General dust limit, inhalable fraction)
Estonia	Trade Secret	Trade Secret	8-Hour TWA: 5 mg/m <sup>3</sup> (total dust)

**Biological limit values:**

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

**Derived No Effect Level (DNEL):**

**Ingredient Name:** Trade Secret

**CAS #:** Trade Secret

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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
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	No hazard identified
	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:** Trade Secret

**CAS #:** Trade Secret

Environmental Protection Target	PNEC
Fresh water	No hazard identified
Freshwater sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Microorganisms in sewage treatment	No hazard identified
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:**

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

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This product is a combustible material which may be ignited by friction, heat, sparks or flames. It is recommended that all dust control equipment (such as local exhaust ventilation and material transport systems) involved in handling this product contain explosion relief vents or an explosion suppression system. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area. Keep static electricity under control, which includes the bonding and grounding of equipment. Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

#### Personal protection equipment

##### Eye and face protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

##### Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

##### Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

#### General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

#### Environmental exposure controls:

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

Physical State	Powder
Color	Black
Odor/Odor threshold	Odorless
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.

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<b>Flash point (closed cup)</b>	Not determined or not available.
<b>Flammability</b>	Not determined or not available.
<b>Upper flammability/explosive limit</b>	Not determined or not available.
<b>Lower flammability/explosive limit</b>	Not determined or not available.
<b>Vapor pressure</b>	Not determined or not available.
<b>Relative vapor density</b>	Not determined or not available.
<b>Density</b>	Not determined or not available.
<b>Relative density</b>	Not determined or not available.
<b>Solubilities</b>	Not determined or not available.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Particle characteristics</b>	Not determined or not available.

## 9.2 Other information

### 9.2.1 Information with regard to physical hazard classes

<b>Explosives</b>	No data available/Not applicable
<b>Flammable gases</b>	No data available/Not applicable
<b>Aerosols</b>	No data available/Not applicable
<b>Oxidizing gases</b>	No data available/Not applicable
<b>Gases under pressure</b>	No data available/Not applicable
<b>Flammable liquids</b>	No data available/Not applicable
<b>Flammable solids</b>	No data available/Not applicable
<b>Self-reactive substances and mixtures</b>	No data available/Not applicable
<b>Pyrophoric liquids</b>	No data available/Not applicable
<b>Pyrophoric solids</b>	No data available/Not applicable
<b>Self-heating substances and mixtures</b>	No data available/Not applicable
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	No data available/Not applicable
<b>Oxidizing liquids</b>	No data available/Not applicable
<b>Oxidizing solids</b>	No data available/Not applicable
<b>Organic peroxides</b>	No data available/Not applicable
<b>Corrosive to metals</b>	No data available/Not applicable
<b>Desensitized explosives</b>	No data available/Not applicable

### 9.2.2 Other safety characteristics

None.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

Not reactive under recommended handling and storage conditions.

### 10.2 Chemical stability:



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Stable under recommended handling and storage conditions.

#### 10.3 Possibility of hazardous reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

#### 10.4 Conditions to avoid:

Extreme heat, open flames, hot surfaces, sparks, static discharge, ignition sources, dust generation and accumulation and incompatible materials.

#### 10.5 Incompatible materials:

None known.

#### 10.6 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

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

##### Acute toxicity

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

**Product data:** No data available.

**Substance data:**

Name	Route	Result
Trade Secret	oral	LD50 Rat: >2000 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
	inhalation	LC50 Rat: > 4.6 mg/L (4 hr [dust])

##### 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
Trade Secret	Not applicable	Suspected of causing cancer by inhalation.

##### International Agency for Research on Cancer (IARC):

Name	Classification
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Name	Classification
Trade Secret	Group 2B

#### Germ cell mutagenicity

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

**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.

### 11.2 Information on other hazards

#### Endocrine disrupting properties:

**Substance data:** 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:**

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Name	Result
Trade Secret	Fish LC50 Danio rerio: >1000 mg/L (96 hr)
	Aquatic Plants EC50 Raphidocelis subcapitata: >100 mg/L (72 hr [growth rate and cell number])
	Aquatic Invertebrates EC50 Daphnia magna: >100 mg/L (48 hr [immobilisation and toxicity])

#### Chronic (long-term) toxicity

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

**Product data:** No data available.

**Substance data:**

Name	Result
Trade Secret	Aquatic Invertebrates EC50 Daphnia magna: 4.9 mg/L (16 d [immobilization; QSAR])

#### 12.2 Persistence and degradability

**Product data:** No data available.

**Substance data:**

Name	Result
Trade Secret	Persistence assessment based on biodegradability is not relevant for inorganic compounds such as this substance.

#### 12.3 Bioaccumulative potential

**Product data:** No data available.

**Substance data:**

Name	Result
Trade Secret	Bioaccumulation assessment using a classic BCF assessment is not considered relevant for inorganic compounds such as this substance.

#### 12.4 Mobility in soil

**Product data:** No data available.

**Substance data:**

Name	Result
Trade Secret	Mobility in soil assessment based on KOC/Kd values are not relevant for inorganic compounds such as this substance.

#### 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:**

Trade Secret	PBT assessment does not apply to inorganic compounds such as this substance.
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**vPvB assessment:**

Trade Secret	vPvB assessment does not apply to inorganic compounds such as this substance.
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#### 12.6 Endocrine disrupting properties

**Substance data:** No data available.

**12.7 Other adverse effects:** No data available.

**12.8 Hazard to the ozone layer**

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**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:

Dispose contaminated packages in a safe manner in accordance with local and national regulations. Do not allow the product to be released into the environment.

**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:

Do not discharge into public wastewater or surface waters. 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 or ID 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 or ID 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 Maritime Dangerous Goods (IMDG)

UN number or ID 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 or ID number	Not regulated
UN proper shipping name	Not regulated

## Safety Data Sheet

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UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### Maritime Transport in Bulk according to IMO Instruments

Bulk Name	None
Ship type	None
Pollution category	None
IMO hazard class	None
Environmental hazards	None
Material hazardous only in bulk	None
Cargo Group	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
Trade Secret	Trade Secret	Non-hazardous to water

#### Other regulations

**Germany TA Luft:** None of the ingredients are listed.

**Additional information:** Not determined.

### 15.2 Chemical Safety Assessment

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

## SECTION 16: Other information

**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), as amended by Commission Regulation (EU) 2020/878. 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

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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**