

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## HYLON N10xx COLOR UV

Revision date: 22.12.2021

Product code: N10xx\_COL\_UV

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

#### 1.1. Product identifier

HYLON N10xx COLOR UV

#### **Further trade names**

xx=%Filler

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

##### **Use of the substance/mixture**

Manufacturing of plastic articles and goods including compounding and conversion, eventually recycling.

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

Company name:	Ravago Distribution Center NV	
Street:	Moerenstraat 85 A	
Place:	B 2370 Arendonk	
Telephone:	+32 (0) 14672511	Telefax: +32 (0) 14672012
e-mail:	sdsinfo@ravago.com	
Internet:	www.ravago.com	

#### 1.4. Emergency telephone number:

+32(0)14672511  
Only during office hours ( 8 am - 5 pm )

#### **Further Information**

Type of use: Injection moulding. blow moulding. Extrusion. Compression moulding.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### **Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

#### 2.2. Label elements

##### **Additional advice on labelling**

For this product, a hazard label is not required according to section 1.3.4 of Annex I of the CLP regulation.

#### 2.3. Other hazards

The hazards of this product are mainly associated with its processing  
See section 11 for more detailed information on health effects and symptoms

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### **Chemical characterization**

Thermoplastic polymer (PA66-GF)

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
65997-17-3	Glass fiber, not respirable			10-50 %
	266-046-0			
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate			0,1-0,5 %
	258-207-9		01-2119537297-32	
	Repr. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2; H361f H318 H400 H411			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection!  
Provide adequate ventilation.

**After inhalation**

Provide adequate ventilation.  
In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.  
Consult physician.

**After contact with skin**

The melted product can cause severe burns.  
Do not use force or solvents to remove product incrustations from affected skin areas.  
After contact with molten product, cool skin area rapidly with cold water.  
Consult physician.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**After ingestion**

No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.  
Do NOT induce vomiting.  
Consult physician.

**4.2. Most important symptoms and effects, both acute and delayed**

No information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

Burns caused by molten material must be treated clinically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water and Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Sand.

**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Carbon dioxide, Carbon monoxide, hydrocarbons. Nitrogen oxides (NO<sub>x</sub>).

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

High slip hazard because of leaking or spilled product. (Granulate)

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**6.3. Methods and material for containment and cleaning up**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. Do not empty into drains.

**6.4. Reference to other sections**

Personal protection equipment: see section 8

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation. Equipment with built-in suction provisions.

**Advice on protection against fire and explosion**

Provide earthing of containers, equipment, pumps and ventilation facilities. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Dust should be exhausted directly at the point of origin. Dust can form an explosive mixture with air.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep in a cool place.

Provide adequate ventilation.

**Advice on storage compatibility**

storage stability:

storage temperature: &lt; 40 °C

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1333-86-4	Carbon black	-	3.5		TWA (8 h)	WEL
		-	7		STEL (15 min)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

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**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
1333-86-4	Carbon black			
Worker DNEL, long-term		inhalation	systemic	1 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	0,06 mg/m <sup>3</sup>
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate			
Worker DNEL, long-term		inhalation	systemic	1,27 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	1,8 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,31 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,9 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,18 mg/kg bw/day

**PNEC values**

CAS No	Substance	Value
1333-86-4	Carbon black	
Freshwater		50 mg/l
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	
Freshwater		0,004 mg/l
Freshwater (intermittent releases)		0,007 mg/l
Marine water		0,00038 mg/l
Freshwater sediment		5,9 mg/kg
Marine sediment		0,59 mg/kg
Micro-organisms in sewage treatment plants (STP)		1 mg/l
Soil		1,18 mg/kg

**Additional advice on limit values**

For some additives used in this product exposure limits exist. However, they are incorporated in the product and under normal processing conditions no exposure is to be expected.

**8.2. Exposure controls****Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.

**Protective and hygiene measures**

When using do not eat, drink or smoke. Do not breathe dust.

**Eye/face protection**

Wear eye/face protection.

**Hand protection**

Wear suitable gloves.

**Skin protection**

Only wear fitting, comfortable and clean protective clothing.

**Respiratory protection**

Respiratory protection necessary at: In the case of the formation of dust (half-mask with filter (DIN EN 149).)

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: solid (Granulate)  
 Colour: various  
 Odour: odourless to mild

**Test method**

pH-Value: not applicable

**Changes in the physical state**

Melting point: 255-275 °C  
 Initial boiling point and boiling range: not applicable  
 Flash point: not applicable

**Flammability**

Solid: No information available.

**Explosive properties**

In the case of the formation of dust Dust explosive.

Lower explosion limits: not applicable  
 Upper explosion limits: not applicable  
 Ignition temperature: not applicable

**Auto-ignition temperature**

Solid: No information available.

Decomposition temperature: &gt; 300 °C

**Oxidizing properties**

not applicable

Vapour pressure: not applicable

Density: 1,13-1,15 g/cm<sup>3</sup>Bulk density: 600 - 800 kg/m<sup>3</sup>

Water solubility: insoluble

Partition coefficient: not applicable

Viscosity / kinematic: not applicable

Vapour density: not applicable

**9.2. Other information**

No information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

This material is considered to be non-reactive under normal use conditions.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

Temperatures above thermal decomposition.

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**10.5. Incompatible materials**

Oxidising agent, strong

**10.6. Hazardous decomposition products**

Carbon dioxide, Carbon monoxide, hydrocarbons. Nitrogen oxides (NOx).

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicocinetics, metabolism and distribution**

No information available.

**Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate				
	oral	LD50 mg/kg 3700	Rat	Study report (1972)	OECD Guideline 423
	dermal	LD50 mg/kg > 3170	Rat	Study report (1975)	OECD Guideline 402

**Irritation and corrosivity**

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

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**Further information**

When used and handled according to the specifications, this product does not have any harmful effects to human health according to our experience and the information available. Contact the manufacturer in case the material is to be used in special applications such as in contact with food or for hygiene, medical or surgical end-use.

**SECTION 12: Ecological information****12.1. Toxicity**

Insoluble in: Water.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate					
	Acute fish toxicity	LC50	4,4 mg/l	96 h	Lepomis macrochirus	Study report (1984) OECD Guideline 203
	Acute algae toxicity	ErC50	0,705 mg/l	72 h	Pseudokirchneriella subcapitata	(2015) OECD Guideline 201
	Acute crustacea toxicity	EC50	8,58 mg/l	48 h	Daphnia magna	Study report (2000) OECD Guideline 202
	Crustacea toxicity	NOEC	0,23 mg/l	21 d	Daphnia magna	Study report (2000) OECD Guideline 211
	Acute bacteria toxicity	( > 1000 mg/l)		3 h	activated sludge of a predominantly domestic sewage	Study report (2014) OECD Guideline 209

### 12.2. Persistence and degradability

According to experiences this product is inert and not degradable.

### 12.3. Bioaccumulative potential

Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	2,25

### BCF

CAS No	Chemical name	BCF	Species	Source
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	638,7	none, estimated by calculation	REACH Registration D

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Material recycling possible.

## SECTION 14: Transport information

### Land transport (ADR/RID)

#### 14.1. UN number:

No dangerous good in sense of this transport regulation.

#### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

#### 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

#### 14.1. UN number:

No dangerous good in sense of this transport regulation.

#### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

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**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**Marine transport (IMDG)****14.1. UN number:** No dangerous good in sense of this transport regulation.**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:** No dangerous good in sense of this transport regulation.**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No dangerous good in sense of this transport regulation.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): 0%

2004/42/EC (VOC): 0%

**National regulatory information**

Water contaminating class (D): - - not water contaminating

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:  
 Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H318 Causes serious eye damage.  
 H361f Suspected of damaging fertility.  
 H400 Very toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*