

**Safety Data Sheet**according to REACH Regulation (EC) No 1907/2006 and updated  
Regulation (EC) No 2020/878**MAFILL CR CT xx44 UV**

Revision date: 07.03.2023

Product code: CRCTxx44\_UV

Page 1 of 8

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

MAFILL CR CT xx44 UV

**Further trade names**

MAFILL CR CT xx44 H UV

x = 0 - 9 ( MFI range code/ filler % code)

**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 )**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

**2.2. Label elements****GB CLP Regulation****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

**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 ( industrial quality, recycled material ) - PP-TD

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
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.



## Safety Data Sheet

according to REACH Regulation (EC) No 1907/2006 and updated  
Regulation (EC) No 2020/878

### MAFILL CR CT xx44 UV

Revision date: 07.03.2023

Product code: CRCTxx44\_UV

Page 2 of 8

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
52829-07-9	258-207-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	0,1-0,5 %
		dermal: LD50 = > 3170 mg/kg; oral: LD50 = 3700 mg/kg	

## 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.

### 5.3. Advice for firefighters

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

#### Additional information

In case of fire and/or explosion do not breathe fumes.

## SECTION 6: Accidental release measures

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

#### General advice

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



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according to REACH Regulation (EC) No 1907/2006 and updated  
Regulation (EC) No 2020/878

### MAFILL CR CT xx44 UV

Revision date: 07.03.2023

Product code: CRCTxx44\_UV

Page 3 of 8

#### **6.2. Environmental precautions**

Clean contaminated articles and floor according to the environmental legislation.  
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**

##### **For cleaning up**

Take up mechanically. Collect in closed and suitable containers for disposal.

##### **Other information**

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.

##### **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.

##### **Advice on general occupational hygiene**

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

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

##### **Requirements for storage rooms and vessels**

Keep in a cool place. Provide adequate ventilation.

##### **Hints on joint storage**

storage temperature: < 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
14807-96-6	Talc respirable dust	-	1		TWA (8 h)	WEL

## Safety Data Sheet

according to REACH Regulation (EC) No 1907/2006 and updated  
Regulation (EC) No 2020/878

### MAFILL CR CT xx44 UV

Revision date: 07.03.2023

Product code: CRCTxx44\_UV

Page 4 of 8

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1333-86-4	Carbon black			
Consumer DNEL, long-term		inhalation	systemic	0,06 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	systemic	1 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.

##### Individual protection measures, such as personal protective equipment

##### 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).)



## Safety Data Sheet

according to REACH Regulation (EC) No 1907/2006 and updated  
Regulation (EC) No 2020/878

### MAFILL CR CT xx44 UV

Revision date: 07.03.2023

Product code: CRCTxx44\_UV

Page 5 of 8

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	solid (Granulate)
Colour:	Black
Odour:	odourless to mild
Melting point/freezing point:	140 - 150 °C
Boiling point or initial boiling point and boiling range:	not applicable
Flammability:	No information available.
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	not applicable
Decomposition temperature:	> 300 °C
pH-Value:	not applicable
Viscosity / kinematic:	not applicable
Water solubility:	insoluble
Partition coefficient n-octanol/water:	not applicable
Vapour pressure:	not applicable
Density:	0,9 - 1,25 g/cm <sup>3</sup>
Bulk density:	600 - 1000 kg/m <sup>3</sup>
Relative vapour density:	not applicable

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

In the case of the formation of dust -> Dust explosive, Dust explosion category: ST 1

##### Self-ignition temperature

Solid:

No information available.

##### Oxidizing properties

not applicable

#### Other safety characteristics

#### Further 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.

### 10.5. Incompatible materials

Oxidising agent, strong

### 10.6. Hazardous decomposition products

Carbon dioxide, Carbon monoxide, hydrocarbons.

**Safety Data Sheet**

according to REACH Regulation (EC) No 1907/2006 and updated  
Regulation (EC) No 2020/878

**MAFILL CR CT xx44 UV**

Revision date: 07.03.2023

Product code: CRCTxx44\_UV

Page 6 of 8

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, 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.

**11.2. Information on other hazards****Endocrine disrupting properties**

No information available.

**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.

## Safety Data Sheet

according to REACH Regulation (EC) No 1907/2006 and updated  
Regulation (EC) No 2020/878

### MAFILL CR CT xx44 UV

Revision date: 07.03.2023

Product code: CRCTxx44\_UV

Page 7 of 8

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 mg/l	0,705	72 h	Pseudokirchneriella subcapitata	(2015)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	8,58	48 h	Daphnia magna	Study report (2000)	OECD Guideline 202
	Crustacea toxicity	NOEC mg/l	0,23	21 d	Daphnia magna	Study report (2000)	OECD Guideline 211
	Acute bacteria toxicity	(EC50 mg/l)	> 1000	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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Material recycling possible. Consult the appropriate local waste disposal expert about waste disposal.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### 14.1. UN number or ID 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)



**Safety Data Sheet**according to REACH Regulation (EC) No 1907/2006 and updated  
Regulation (EC) No 2020/878**MAFILL CR CT xx44 UV**

Revision date: 07.03.2023

Product code: CRCTxx44\_UV

Page 8 of 8

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	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. Maritime transport in bulk according to IMO instruments**

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 hazard class (D): - - non-hazardous to water

**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.
EUH210	Safety data sheet available on request.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance 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.)*