

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Polyfast SA 0xx BLACK

Revision date: 09.03.2022

Product code: SA0xx\_BK

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

#### 1.1. Product identifier

Polyfast SA 0xx BLACK

#### 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

Hazard categories:  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Harmful to aquatic life with long lasting effects.

#### 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 (ASA)

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
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			
2440-22-4	2-(2H-benzotriazol-2-yl)-p-cresol			0,1-0,5 %
	219-470-5		01-2119583811-34	
	Skin Sens. 1B, Aquatic Chronic 1; H317 H410			

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

**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	
2440-22-4	219-470-5	2-(2H-benzotriazol-2-yl)-p-cresol	0,1-0,5 %
		dermal: LD50 = > 1000 mg/kg; oral: LD50 = 10000 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**

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. alcohol resistant foam. Sand.

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### Unsuitable extinguishing media

Full water jet

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

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

### 5.3. Advice for firefighters

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

## SECTION 6: Accidental release measures

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

#### General measures

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

#### Other information

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

Measures to prevent aerosol and dust generation

When using do not eat, drink or smoke.

#### 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.

#### Hints on joint storage

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

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**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

**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
2440-22-4	2-(2H-benzotriazol-2-yl)-p-cresol			
	Worker DNEL, long-term	inhalation	systemic	1 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	1 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	local	1 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day
	Consumer DNEL, long-term	dermal	systemic	1,2 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	1,2 mg/kg bw/day

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**PNEC values**

CAS No	Substance	Value
Environmental compartment		
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
2440-22-4	2-(2H-benzotriazol-2-yl)-p-cresol	
Freshwater		0 mg/l
Freshwater (intermittent releases)		0,001 mg/l
Marine water		0 mg/l
Freshwater sediment		0,136 mg/kg
Marine sediment		0,014 mg/kg
Micro-organisms in sewage treatment plants (STP)		1 mg/l
Soil		100 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.  
In case of increasing hazard add:heat-resistant synthetic fibres

**Respiratory protection**

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

**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

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pH-Value: not applicable

**Changes in the physical state**

Melting point: 100-120 °C

Boiling point or initial boiling point and boiling range: not applicable

Flash point: not applicable

**Flammability**

Solid/liquid: 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

Auto-ignition temperature: not applicable

**Self-ignition temperature**

Solid: No information available.

Decomposition temperature: &gt; 280 °C

Vapour pressure: not applicable

Density: 1.05-1.10 g/cm<sup>3</sup>Bulk density: 600 -800 kg/m<sup>3</sup>

Water solubility: insoluble

Partition coefficient n-octanol/water: not applicable

Viscosity / kinematic: not applicable

Relative 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 stable under storage at normal ambient temperatures.

**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. Acrylate. Styrene

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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**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
2440-22-4	2-(2H-benzotriazol-2-yl)-p-cresol				
	oral	LD50 mg/kg 10000	Rat	Study report (1978)	OECD Guideline 423
	dermal	LD50 mg/kg > 1000	Rat	Study report (1972)	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 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	(> 1000 mg/l)		3 h	activated sludge of a predominantly domestic sewage	Study report (2014)	OECD Guideline 209
2440-22-4	2-(2H-benzotriazol-2-yl)-p-cresol						
	Acute fish toxicity	LC50 mg/l	> 0,17	96 h	Oncorhynchus mykiss	Study report (2004)	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	> 0,0822	72 h	Pseudokirchneriella subcapitata	Study report (2018)	OECD Guideline 201
	Crustacea toxicity	NOEC mg/l	0,013	21 d	Daphnia magna	Study report (2011)	OECD Guideline 211
	Acute bacteria toxicity	(> 100 mg/l)		3 h	Activated sludge	Study report (1988)	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, 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
2440-22-4	2-(2H-benzotriazol-2-yl)-p-cresol	15900

**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
2440-22-4	2-(2H-benzotriazol-2-yl)-p-cresol	1456	Oncorhynchus mykiss	REACH Registration D

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Endocrine disrupting properties**

No information available.

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**



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**Disposal recommendations**

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

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN 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.

**Inland waterways transport (ADN)**

<b>14.1. UN 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:</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:</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  
2-(2H-benzotriazol-2-yl)-p-cresol**SECTION 16: Other information**

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**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

**Relevant H and EUH statements (number and full text)**

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**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.)*