

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Polyfast SA 0xx WHITE

Revision date: 09.03.2022

Product code: SA0xx_W

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

1.1. Product identifier

Polyfast SA 0xx WHITE

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

Regulation (EC) No. 1272/2008

Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

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 (CO₂). 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: < 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 ³ | fibres/ml | Category | Origin |
|------------|------------------------------|-----|-------------------|-----------|-----------|--------|
| 13463-67-7 | Titanium dioxide, respirable | - | 4 | | TWA (8 h) | WEL |

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DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---|----------------|----------|------------------------|
| 52829-07-9 | Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | | | |
| Worker DNEL, long-term | | inhalation | systemic | 1,27 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 1,8 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 0,31 mg/m ³ |
| 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 ³ |
| Worker DNEL, acute | | inhalation | systemic | 1 mg/m ³ |
| Worker DNEL, acute | | inhalation | local | 1 mg/m ³ |
| 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 |

PNEC values

| CAS No | Substance | Value |
|--|---|--------------|
| 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.

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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: | white | |
| Odour: | odourless to mild | |
| 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: | | > 280 °C |
| Vapour pressure: | | not applicable |
| Density: | | 1.05-1.10 g/cm ³ |
| Bulk density: | | 600 -800 kg/m ³ |
| 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

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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****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

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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.

| 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.

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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: | 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. |
| 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. 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

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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**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. |
| EUH210 | Safety data sheet available on request. |
| EUH212 | Warning! Hazardous respirable dust may be formed when used. Do not breathe dust. |

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.)