

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878

Version 5.0

Revision Date: 02-08-2022

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Trade name: PC 39 bianco

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

1.1 Product identification:

Product name: PC 39 bianco
UFI code: XG02-T05G-U003-MGC2

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

Type of application (Use): Cast resin
Recommended restrictions on use: For commercial use only.

1.3 Details of the supplier of the safety data sheet

Responsible distributor: ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency telephone number:

For Belgium:

Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

The product is classified according to the applicable legislation.

Classification in accordance with Regulation (EC) No 1272/2008 as amended.

Health hazards

Eye irritation , Category 2 - H319: Causes serious eye irritation.

Danger of inhalation , Category 1 - H304: May be fatal if swallowed and enters airways.

Chronic aquatic toxicity , Category 2 - H411: Toxic to aquatic life with long lasting effects.

For the full text of H phrases mentioned in this section, see section 16.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:



Hazard pictograms:

Signal word

Danger.

Hazardous ingredients which must be stated on the label

✓ Bis(isopropyl)naphthalene

Indications of danger:

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautions

Prevention:

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P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Action:

P301 + P310 IF SWALLOWED: Call a POISON CENTER/physician immediately.

P331 DO NOT induce vomiting.

P337 + P313 If eye irritation persists: Call a doctor.

P391 Clean up spill/leak.

2.3 Other hazards:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Toxicological information:

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Description:

Chemical description : Polyether/polyesterpolyol based mixture

Chemical Name	Cas No. EC-No. Index no. Registration number	Layout (Regulation (EC) No 1272/008)	Concentration (%)
Bis(isopropyl)naphthalene	38640-62-9 254-052-6 - 01-2119565150-48	Asp. Tox.1; H304 Aquatic Chronic1; H410 M-factor (Chronic aquatic toxicity) 1	>= 20 - < 25
Ethylenediamine propoxylated	25214-63-5 500-035-6 - 01-2119471485-32	Eye Irrit.2; H319	>= 12,5 - < 20
Hydrocarbons, C12-C15, n- alkanes, isoalkanes, cyclones, <2% aromatics	Not allocated 920-107-4 - 01-2119453414-43	Asp. Tox. 1; H304	>= 7 - < 10
Titanium dioxide	13463-67-7 236-675-5 - 01-2119489379-17	Carc. 2; H351	>= 0,25 - < 0,5

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General advice:

Keep warm and in a quiet environment.

Show this safety data sheet to the physician in charge.

Remove contaminated clothing immediately.

By inhalation:

Bringing them out into the fresh air.

Keep the victim warm and calm.

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If symptoms persist, consult a doctor.

In contact with skin:

Wash up immediately with soap and plenty of water.

DO NOT use solvents or paint thinner.

In the event of spillage on clothing, remove clothing.

If skin irritation continues, consult a doctor.

In case of contact with eyes:

Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes.

If eye irritation persists, consult a specialist.

As far as easy to do, remove any contact lenses.

If swallowed:

Keep calm.

Do not induce vomiting without medical advice.

Keep respiratory tracts clear.

If symptoms persist, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed:

Appearances:

Irritating effects

Flood of tears

Redness

4.3 Indication of any immediate medical attention and special treatment needed:

Treatment:

The procedure for first aid must be drawn up together with the company doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Foam

Sand

Carbon dioxide (CO₂)

Water spray

Unsuitable extinguishing media:

Water spray

5.2 Special hazards arising from the substance or mixture

Specific fire fighting hazards:

Heat can increase the pressure in sealed containers.

Cool closed containers in the vicinity of the fire with water spray.

5.3 Advice for firefighters:

Special protective equipment for firefighters:

In case of fire, wear a compressed air mask. Use personal protective equipment.

Further information:

Use extinguishing agents that are suitable for the local conditions and environment.

Immediately evacuate personnel to a safe area.

Prevent fire extinguishing water from contaminating surface water or groundwater systems.

Combustion residues and contaminated extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions:

See protective measures in sections 7 and 8.

Evacuate personnel to a safe area.

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Use personal protective equipment.

Ensure adequate ventilation.

Inform the competent authority in case of gas leaks, or in case of run-off into waterways, soil or sewers.

6.2 Environmental precautions:

Environmental precautions:

Avoid uncontrolled release of product into the environment.

Try to prevent the material from draining into sewers or watercourses.

In case of significant leaks that cannot be contained, the local authority must be informed.

6.3 Methods and material for containment and cleaning up

Cleaning methods:

Absorb in inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Contain and collect spillages with non-combustible absorbent materials, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

Pick up and transfer to properly labelled containers.

6.4 Reference to other sections:

For personal protection, see section 8.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

Advice on safe handling:

Ensure sufficient ventilation and/or suction at the workplace.

Avoid inhalation, ingestion and contact with skin and eyes.

Wear personal protective clothing.

For personal protection, see section 8.

Advice on protection against fire and explosion:

Keep away from naked flames, hot surfaces and sources of ignition.

Hygiene measures:

Ensure adequate ventilation.

Wash hands and face before work and immediately after using the product.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers:

Keep containers tightly closed in a dry, cool and well-ventilated place. To maintain product quality, do not expose to heat or direct sunlight. Store in properly labelled containers.

Advice for mixed storage:

Keep away from foodstuffs and beverages.

Keep product and empty container away from heat and ignition sources.

Other data:

Stable at normal room temperature and pressure.

7.3 Specific end use:

Specific use:

Before using this substance/mixture, refer to the Technical Guidelines.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Limits exposure in appeal.

Components	CAS No.	Type of value (Method of exposure)	Control parameters	Basic
Zeolites	1318-02-1	TGG 8 hr (inhalable fraction)	1 mg/m3 (Aluminium)	BE OEL
Titanium dioxide	13463-67-7	TGG 8 hr	10 mg/m3	BE OEL

Derived no-effect doses (DNEL) in accordance with Regulation (EC) No 1907/2006:

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Substance name	End use	Route of exposure	Possible health condition	Value
Bis(isopropyl)naphthalene	Consumers	Ingestion	Long-term systemic effects	2.1 mg/kg
	Consumers	Skin contact	Long-term systemic effects	2.1 mg/kg
	Employees	Skin contact	Long-term systemic effects	4.3 mg/kg
	Consumers	Inhalation	Long-term systemic effects	7.4 mg/m ³
	Employees	Inhalation	Long-term systemic effects	30 mg/m ³
Ethylenediamine propoxylated	Employees	Skin contact	Long-term systemic effects	13.9 mg/kg
	Employees	Inhalation	Long-term systemic effects	98 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	8.3 mg/kg
	Consumers	Inhalation	Long-term systemic effects	29 mg/m ³
	Consumers	Ingestion	Long-term systemic effects	8.3 mg/kg
Diethylene glycol mono-butyl ether acetate	Employees	Inhalation	Long-term systemic effects	85 mg/m ³
	Employees	Skin contact	Long-term systemic effects	24 mg/kg
	Consumers	Inhalation	Long-term systemic effects	43 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	12 mg/kg
	Consumers	Ingestion	Long-term systemic effects	1.58 mg/kg

Predicted no-effect concentration (PNEC) in accordance with Regulation (EC) No 1907/2006:

Substance name	Environmental compartment	Value
Bis(isopropyl)naphthalene	Sewage treatment plant	0.15 mg/l
	Freshwater	0.00026 mg/l
	Seawater	0,000026 mg/l
	Freshwater deposition	0.94 mg/kg
	Sea sediment	0.094 mg/kg
Ethylenediamine propoxylated	Bottom	0.19 mg/kg
	Freshwater	0.085 mg/l
	Seawater	0.0085 mg/l
	Sporadic release	1.51 mg/l
	Freshwater deposition	0.074 mg/kg
Diethylene glycol mono-butyl ether acetate	Sea sediment	0.0074 mg/kg
	Bottom	0.0162 mg/kg
	Sewage treatment plant	70 mg/l
	Freshwater	0.108 mg/l
	Seawater	0.0108 mg/l
	Freshwater deposition	0.8 mg/kg
	Sea sediment	0.08 mg/kg
	Bottom	0.29 mg/kg
	Sporadic release	0.6 mg/l
	Sewage treatment plant	100 mg/l

8.2 Exposure controls:

Technical means of control:

Effective ventilation at all workplaces.

Effective exhaust ventilation system.

Personal protective equipment:

Eye protection:

Do not wear contact lenses.

Safety goggles with side shields according to EN 166.

Hand protection

Material:

Protective gloves according to EN 374.

Material:

Nitrile rubber

Breakthrough time:

480 min

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Glove thickness:

0.35 mm

Skin and body protection:

Protective clothing

Recommended preventive skin protection:

Additional body covering should be used depending on the task at hand (e.g. protective sleeves, apron, gloves, disposable suit) to avoid exposing skin surfaces.

Respiratory protection:

Unless sufficient local exhaust ventilation is provided, or exposure assessment shows that the exposures are within the recommended exposure guidelines, respiratory protection should be used.

Respiratory protection with half-mask.

In case of vapour formation, use a respirator with an approved filter type.

Recommended filter type:

ABEK filter

The equipment must comply with EN 14387.

Apply technical measures to comply with the occupational exposure limits.

Protective measures:

Avoid contact with the skin.

Wear appropriate personal protective equipment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	liquid
Colour:	white
Odour:	light
Odour threshold:	Not implemented
Melting/freezing point	Not applicable
Boiling point/boiling range:	> 200°C
Upper explosion limit:	Not applicable
Lower explosion limit:	Not applicable
Flash point	150°C
Ignition temperature:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Method: No data available
pH:	4 - 5 Concentration: 1 %.
Viscosity	
Viscosity, dynamic	90 - 140 mPa.s (25°C)
Viscosity, kinematic:	Not carried out
Solubility	
Solubility in water:	Not carried out
Solubility in other solvents:	Not performed
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	Not carried out
Density	1.02 g/cm ³ (25°C)
Bulk density:	Not carried out
Relative vapour density:	Not performed
Particle characteristics	
Particle size	Not applicable
<u>9.2 Other information</u>	
Explosive substances:	Not applicable
Oxidising properties:	Not applicable

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Self-ignition:	Not applicable
Evaporation rate:	Not carried out
Surface tension:	Not performed
Sublimation point:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity:

Stable under recommended storage conditions.

10.2 Chemical Stability:

No decomposition if stored and applied as directed.

10.3 Potentially hazardous reactions:

Hazardous reactions:

Reacts with the following substances:

Isocyanates

Keep away from oxidising agents and acidic or alkaline products.

10.4 Conditions to avoid

Conditions to avoid:

No decomposition if instructions are followed.

10.5 Chemically Interacting Materials:

Materials to avoid:

Incompatible with oxidising agents.

10.6 Hazardous decomposition products:

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute Toxicity

Product:

Acute oral toxicity :

Remarks: No data available

Acute toxicity by inhalation:

Remarks: No data available

Acute dermal toxicity:

Remarks: No data available

Acute toxicity (alternative route of administration):

Remarks: No data available

Constituents:

Bis(isopropyl)naphthalene:

Acute toxicity by inhalation: LC50 (Rat, male and female): > 5,64 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: Guideline test OECD 403

GLP: yes

Acute dermal toxicity: LD50 (Rat, male and female): > 4,000 mg/kg

Method: Guideline test OECD 402

GLP: yes

Ethylenediamine propoxylated:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Method: Guideline test OECD 401

GLP: yes

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Method: Guideline test OECD 402

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GLP: yes

Skin corrosion/irritation

Product:

Remarks: No data available

Constituents:

Bis(isopropyl)naphthalene:

Species: Rabbit

Method: Guideline test OECD 404

Result: No skin irritation

GLP: yes

Ethylenediamine propoxylated:

Species: Rabbit

Method: Guideline test OECD 404

Result: No skin irritation

GLP: yes

Serious eye damage/eye irritation

Product:

Remarks: No data available

Constituents:

Bis(isopropyl)naphthalene:

Species: Rabbit

Method: Guideline test OECD 405

Result: No eye irritation

GLP: yes

Ethylenediamine propoxylated:

Species: Rabbit

Method: Guideline test OECD 405

Result: Eye irritation

GLP: yes

Respiratory tract/skin sensitisation

Product:

Remarks: No data available

Constituents:

Bis(isopropyl)naphthalene:

Test type: Maximisation test

Route of exposure: Skin

Species: Guinea pig

Method: Guideline test OECD 406

Result: Does not cause hypersensitivity of the skin.

GLP: yes

Ethylenediamine propoxylated:

Test type: Maximisation test

Route of exposure: Skin

Species: Guinea pig

Method: Guideline test OECD 406

Result: Does not cause hypersensitivity of the skin.

GLP: yes

Carcinogenicity

Product:

Remarks: No data available

Toxicity for reproduction

Product:

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Effects on fertility:

Remarks: No data available

Effects on foetal development:

Remarks: No data available

STOT on single exposure

Product:

Remarks: Not applicable.

STOT on repeated exposure

Product:

Remarks: Not applicable.

Repeated dose toxicity

Product:

Remarks: No data available

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Further information

Product:

Notes:

No data available

SECTION 12: Ecological information

12.1 Toxicity:

Product:

Fish toxicity:

Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates:

Remarks: No data available

Constituents:

Bis(isopropyl)naphthalene:

Toxicity to fish :

LC50 (Leuciscus idus (Goldenrod)): > 0,5 mg/l

Exposure time: 96 h

Test type: semi-static test

Method: Directive 67/548/EEC, Annex V, C.1.

GLP: yes

Toxicity to daphnia and other aquatic invertebrates :

EC50 (Daphnia magna (large water flea)) 1,7 mg/l

Exposure time: 48 h

Test type: semi-static test

Method: OECD Test Guideline 202

GLP: yes

Toxicity to daphnia and other aquatic invertebrates (chronic toxicity) :

NOEC: 0,013 mg/l

Exposure time: 21 d

Species: Daphnia magna (large water flea)

Test type: semi-static test

M-factor ((Chronic) Aquatic long-term hazard):

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Ethylenediamine propoxylated:

Toxicity to daphnia and other aquatic invertebrates (chronic toxicity) :

NOEC: ≥ 10 mg/l

Exposure time: 21 d

Species: Daphnia magna (large water flea)

Test type: semi-static test

Method: OECD Test Guideline 211

GLP: yes

12.2 Persistence and Degradability:

Product:

Biodegradability:

Remarks: No data available

Physico-chemical removability:

Remarks: No data available

Constituents:

Bis(isopropyl)naphthalene:

Biodegradability: Test type: aerobic

Result: Not readily biodegradable.

Method: Guideline test OECD 310

GLP: yes

Ethylenediamine propoxylated:

Biodegradability : GLP: yes

12.3 Bioaccumulation:

Product:

Bioaccumulation:

Remarks: No data available

Constituents:

Bis(isopropyl)naphthalene:

Bioaccumulation: Species: Cyprinus carpio (Carp)

Bioconcentration factor (BCF): > 500

Method: Guideline test OECD 305

GLP: yes

12.4 Mobility in Soil:

Constituents:

Ethylenediamine propoxylated:

Distribution in and between environmental compartments: Koc: 4.1 - 116, Log Koc: 0.6 - 2.1

12.5 Results of PBT and vPvB assessment

Product:

Assessment:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain any components suspected of having endocrine disrupting properties according to REACH Article 57(f) or the Delegated Commission Regulation (EU) 2017/2100 or the Commission Regulation (EU) 2018/605 at level 0.1% or higher.

12.7 Other Harmful Effects:

Product:

Additional ecological information:

Remarks: There is a risk of damage to the environment if this substance is handled or disposed of incorrectly.

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SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

Product:

According to local and national regulations.

Container dangerous when empty.

Do not dispose of together with household waste.

Do not mix streams during waste collection.

Contaminated packaging:

Empty containers should be taken to an authorised waste disposal centre for reuse or disposal.

SECTION 14: Information relating to carriage

14.1 UN number

ADR/RID/ADN: UN 3082

IMDG: UN 3082

IATA: UN 3082

14.2 Proper load name according to UN Model Regulations

ADR/RID/ADN: LIQUID DANGEROUS FOR THE ENVIRONMENT, N.O.S.

(Bis(isopropyl)naphthalene isomers)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Bis(isopropyl)naphthalene isomers)

IATA: Environmentally hazardous substance, liquid, n.o.s.

(Bis(isopropyl)naphthalene isomers)

14.3 Transport hazard class(es)

ADR/RID/ADN: 9

IMDG: 9

IATA: 9

14.4 Packing group

ADR/RID/ADN

Packing group: III

Classification code: M6

Hazard Identification No: 90

Labels: 9

Comments: ADR: These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG

Packing group: III

Labels: 9

EmS Code: F-A, S-F

Comments: IMDG: Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria for inclusion in another hazard class all provisions of this Code relevant to any additional hazards continue to apply.

IMDG Code segregation group - none

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IATA (cargo aircraft)

Packing requirement: 964
Packing group: III
Labels: Miscellaneous
Comments: IATA: These substances when transported in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

IATA (Passenger - passenger aircraft)

Packing instruction: 964
Packing instruction (LQ): Y964
Packing group: III
Labels: Miscellaneous

14.5 Environmental hazards

ADR/RID/AND

Environmentally hazardous: yes

IMDG

Marine pollution: yes

IATA

Environmentally hazardous : yes

14.6 Special precautions for the user

Notes:

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with regulations by personnel who have received the necessary training.

The transport classification(s) given herein are only for information and based on the properties of the unpackaged material as described in this safety data sheet. Transport classifications may vary with regard to mode of transport, size of packaging and variations in regional or national regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as delivered.

SECTION 15: Legally required information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII):

Restriction conditions for the following dates should be considered:

Number on the list: 3

REACH - Candidate list of substances of very high concern for authorisation (Article 59):

Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:

Not applicable

Regulation (EE) 2019/1021 on persistent organic pollutants (recast):

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals:

Not applicable

REACH - List of substances subject to authorisation (Annex XIV):

Not applicable

REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors:

Not applicable

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Toxic chemical substances and precursor (intermediate) compounds of the International Chemical Weapons Convention (CWC):

Not applicable

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E2

ENVIRONMENTAL EFFECTS

Other regulations:

Regarding the composition of the product, we deliberately do not add any of the substances listed in European Directive 2011/65/EU (RoHS 2, RoHS 3 and China RoHS).

The product therefore complies with the aforementioned directives.

Also, no conflict minerals are intentionally added to the product.

15.2 Chemical safety assessment:

Not applicable.

SECTION 16: Other information

Items in which relevant changes have been made with respect to the previous version are marked in the main body of this document by a vertical line.

Full text of the H statements

- H304: May be fatal if swallowed and enters airways.
H319: Causes serious eye irritation.
H351: Suspected of causing cancer by inhalation.
H410: Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

- Aquatic Chronic: (Chronic) Aquatic long-term hazard
Asp. Tox: Aspiration hazard
Carc.: Carcinogenicity
Eye Irrit.: Eye Irritation
BE OEL: Occupational exposure limit values
BE OEL / TGG 8 hr: Limit value

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body Weight; CLP - Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - List of Indoor Substances (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Charge capacity associated with x% response; EmS - Emergency schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-Maximum Inhibitory Concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (lethal dose median); MARPOL - International Convention for the

SAFETY DATA SHEET



According to directive 1907/2006/EC, 2020/878

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Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No observable (negative) effect on concentration; NO(A)EL - No observable (negative) effect on Level; NOELR - No observable effect on cargo capacity; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Difficult to degrade, bioaccumulative and toxic substance; PICCS - Philippine Inventory of Chemicals and Chemicals; (Q)SAR - (Quantitative) Structure-Activity Relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Inventory of Chemical Substances; TECl - Inventory of Chemical Substances existing in Thailand; TRGS - Technical Regulation on Dangerous Substances; TSCA - Toxic Substances Control Act (US); UN - United Nations; vPvB - Very Hard to Degrade and Very Bioaccumulative

Further information

Training advice:

Provide good information, instruction and training for users.

Classification of the preparation:

Eye Irrit. 2	H319
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

Classification procedure:

Calculation method
Calculation method
Calculation method

The information in this safety data sheet is correct to the best of our knowledge at the date of issue indicated. This information is intended only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a guarantee or indication of quality.