

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878
Version 5.0 Revision date: 02-08-2022
Trade name: PC 17

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

1.1 Product identification:

Product name: PC 17
UFI code: CD02-90G3-H00M-Y450

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

Usage: Polyurethane casting resin.
Recommended restrictions on use: For business 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 phone 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 current legislation.

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

Health hazards

Eye irritation , Category 2, H319: Causes severe eye irritation.

Inhalation hazard , Category 1, H304: May be fatal if swallowed and enters airways.

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

2.2 Labelling elements:

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



Hazard pictograms:

Signal word

Danger.

Hazardous ingredients to be declared on the label:

- ✓ Benzene, C10-13 alkyl derivatives

Hazard statements:

H304 May be fatal if swallowed and enters airways.

H319 Causes severe eye irritation.

H411 Toxic to aquatic organisms with long-lasting effects.

Precautions

Prevention:

P273 Avoid discharge into the environment.

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

Action:

P301 + P310 IF INHALED: Seek immediate advice from a POISON CENTER/doctor.

P331 DO NOT induce vomiting.

P337 + P313 In case of persistent eye irritation: consult a doctor.

P391 Clean up any leaks/spills.

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 components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Toxicological information:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or 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/polyester blend based on polyol

Chemical Name	CAS No. EC No. Index no. Registration number	Classification (Regulation (EC) No 1272/008)	Concentration (%)
Ethylenediamine propoxylated	25214-63-5 500-035-6 - 01-2119471485-32	Eye Irrit.2; H319	>= 30 - < 50
Benzene, C10-13 alkyl derivatives.	- 267-051-0 - 01-2119489372-31	Asp. Tox.1; H304	>= 25 - < 30
Phosphorus trichloride, reaction products with propylene oxide	1244733-77-4 - - 01-2119486772-26	Acute Tox.4; H302 Aquatic Chronic 3; H412	>= 12,5 - < 20
Dipropylene glycol dibenzoate	27138-31-4 248-258-5 - 01-2119529241-49	Aquatic Chronic3; H412	>= 10 - < 12,5
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	>= 5 - < 7

For explanation of abbreviations, see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures:

General advice:

Keep warm and put in a quiet environment.
Show this safety data sheet to the doctor on duty.
Remove contaminated clothing immediately.

By inhalation:

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Getting into the fresh air.
Keep victim warm and calm.
If symptoms persist, consult a doctor.

On contact with skin:

Immediately wash with soap and plenty of water.
DO NOT use solvents or paint thinner.
In case of spillage on clothing, remove clothing.
If skin irritation persists, consult a doctor.

On 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 breathing passages clear.
If symptoms persist, consult a doctor.

4.2 Main acute and delayed symptoms and effects:

Symptoms:

Irritant effects
Flood of tears
Redness

4.3 Indication of immediate medical attention and special treatment required:

Treatment:

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

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:

Foam
Sand
Carbon dioxide (CO2)
Water mist

Unsuitable extinguishing media:

Water spray jet

5.2 Special hazards arising from the substance or mixture:

Specific hazards in firefighting:

Heat can increase pressure in sealed containers.
Cool closed containers near 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 suitable for the local conditions and environment.
Immediately evacuate personnel to a safe area.
Prevent extinguishing water from contaminating surface water or groundwater systems.
Combustion residues and contaminated fire fighting water must be disposed of according to local regulations.

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SECTION 6: Measures in case of accidental release of 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.
Use personal protective equipment.
Ensure adequate ventilation.
Inform the competent authority in case of gas leaks, or runoff into waterways, soil or sewers.

6.2 Environmental precautions:

Environmental precautions:

Avoid uncontrolled discharge 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 government should be notified.

6.3 Methods and materials for containment and cleaning:

Cleaning methods:

Absorb in inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Limit spill and collect 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).
Incorporate and transfer into 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 of the substance or mixture:

Safe handling advice:

Ensure adequate ventilation and/or extraction in 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 open flames, hot surfaces and ignition sources.

Hygiene measures:

Ensure adequate air ventilation.
Wash hands and face before stopping work and immediately after using the product.

7.2 Conditions for safe storage, including incompatibilities:

Requirements for storage areas and containers:

Store 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 correctly labelled containers.

Advice for mixed storage:

Keep away from food and drink.
Keep product and empty packaging away from heat and ignition sources.
Incompatible with oxidising agents.
Keep away from isocyanates.

Other details:

Stable at normal room temperature and pressure.

7.3 Specific end use:

Specific use:

Before using this substance/mixture, refer to the technical guidelines.

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SECTION 8: Exposure controls/personal protection measures

8.1 Control parameters:

Limits exposure on appeal

Components	CAS No.	Type of value (mode of exposure)	Control parameters	Basic
Zeolites	1318-02-1	TGG 8 hr (inhalable fraction)	1 mg/m ³ (Aluminium)	BE OEL

The product contains no ingredients for which exposure values have been established.

Derived no-effect doses (DNEL) according to Regulation (EC) Number 1907/2006:

Substance name	End use	Route of exposure	Possible health conditions	Value
Benzene, C10-13-alkyl derivatives	Employees	Skin touch	Long-term - systemic effects	9.6 mg/kg
	Employees	Inhalation	Long-term - systemic effects	7.0 mg/m ³
Ethylenediamine propoxylated	Employees	Skin touch	Long-term - systemic effects	13.9 mg/kg
	Employees	Inhalation	Long-term - systemic effects	98 mg/m ³
	Consumers	Skin touch	Long-term - systemic effects	8.3 mg/kg
	Consumers	Inhalation	Long-term - systemic effects	29 mg/m ³
Bis(isopropyl)naphthalene	Consumers	Ingestion	Long-term - systemic effects	8.3 mg/kg
	Consumers	Ingestion	Long-term - systemic effects	2.1 mg/kg
	Consumers	Skin touch	Long-term - systemic effects	2.1 mg/kg
	Employee	Skin touch	Long-term - systemic effects	4.3 mg/kg
	Consumers	Inhalation	Long-term - systemic effects	7.4 mg/m ³
	Employee	Inhalation	Long-term - systemic effects	30 mg/m ³

Predicted no-effect concentration (PNEC) according to Regulation (EC) Number 1907/2006:

Substance name	Environmental compartment	Value
Benzene, C10-13-alkyl derivatives	Freshwater	0.000075 mg/l
	Seawater	0.000075 mg/l
	Sporadic release	0.000075 mg/l
	Sewage treatment plant	14.2 mg/l
Ethylenediamine propoxylated	Freshwater	0.085 mg/l
	Seawater	0.0085 mg/l
	Sporadic release	1.51 mg/l
	Freshwater deposition	0.074 mg/kg
	Sea deposits	0.0074 mg/kg
	Bottom	0.0162 mg/kg
	Sewage treatment plant	70 mg/l
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 deposits	0.094 mg/kg
	Bottom	0.19 mg/kg

8.2 Exposure control measures:

Technical controls:

Effective ventilation at all workplaces.
Effective extraction ventilation system.

Personal protection devices:

Eye protection:

Do not wear contact lenses.
Safety glasses with side shields according to EN 166.

Hand protection

Material:

Protective gloves according to EN 374.

Material:

Nitrile rubber

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Breakthrough time:

480 min

Glove thickness:

0.35 mm

Skin and body protection:

Protective clothing.

Recommended preventive skin protection

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

Respiratory protection:

Unless adequate local exhaust ventilation is provided, or exposure assessment shows that exposures are within recommended exposure guidelines, use respiratory protection.

Breathing 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 engineering measures to comply with occupational exposure limits.

Protective measures:

Avoid contact with skin.

Wear suitable 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 value:	Not performed
Melting/freezing point:	Not applicable
Boiling point/boiling range:	> 200°C
Upper explosion limit / Upper flammability limit:	Not applicable
Lower explosion limit / Lower flammability limit:	Not applicable
Flash point:	200°C
Ignition temperature:	Not applicable
Self-ignition temperature:	Not applicable
Decomposition temperature:	Method: No data available
pH:	4 - 5 Concentration: 1 %

Viscosity

Viscosity, dynamic: 70 - 120 mPa.s (25°C)

Viscosity, kinematic: Not performed

Solubility

Solubility in water: Not performed

Solubility in other solvents: Not performed

Partition coefficient: n-octanol/water: No data available

Vapour pressure: Not performed

Density: 1.02 g/cm³ (25°C)

Bulk specific gravity: Not exported

Relative vapour density: Not performed

Particle characteristics

Particle size: Not applicable

9.2 Other information

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Explosives:	Not applicable
Oxidising properties:	Not applicable
Self-ignition:	Not applicable
Evaporation rate:	Not performed
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 indicated.

10.3 Potential Hazardous Reactions:

Dangerous 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 directions are followed.

10.5 Chemically Interacting Materials:

Materials to avoid:

Incompatible with oxidising agents.

Isocyanates.

10.6 Hazardous Decomposition Products:

No decomposition if stored and applied as indicated.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute Toxicity

Product:

Product:

Acute oral toxicity:

Acute toxicity estimates: > 2,000 mg/kg

Method: Calculation method

Acute toxicity by inhalation:

Comments: No data available

Acute dermal toxicity:

Comments: No data available

Acute toxicity (other route of administration):

Comments: No data available

Constituents:

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

GLP: yes

Benzene, C10-13-alkyl derivatives:

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Acute oral toxicity:

LD50 (Rat, male and female): > 5,000 mg/kg
Method: Tested according to Annex V of Directive 67/548/EEC.
GLP: yes

Acute dermal toxicity:

LD50 (Rat): > 2,000 mg/kg
Method: Guideline test OECD 402
GLP: yes

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

Skin corrosion/irritation

Product:
Comments: No data available

Constituents:

Ethylenediamine propoxylated:

Species: Rabbit
Method: Guideline test OECD 404
Result: no skin irritation
GLP: yes

Benzene, C10-13 alkyl derivatives:

Species: Rabbit
Result: Slight skin irritation
GLP: yes

Bis(isopropyl)naphthalene:

Species: Rabbit
Method: Guideline test OECD 404
Result: no skin irritation
GLP: yes

Serious eye damage/eye irritation

Product:
Comments: No data available

Constituents:

Ethylenediamine propoxylated:

Species: Rabbit
Method: Guideline test OECD 405
Result: eye irritation
GLP: yes

Benzene, C10-13 alkyl derivatives:

Species: Rabbit
Result: no eye irritation
GLP: yes

Bis(isopropyl)naphthalene:

Species: Rabbit

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Method: Guideline test OECD 405

Result: no eye irritation

GLP: yes

Respiratory/skin sensitisation

Product:

Comments: No data available

Constituents:

Constituents:

Ethylenediamine propoxylated:

Test type: Maximisation test

Route of exposure: Skin

Species: Guinea pig

Method: Guideline test OECD 406

Result: Does not cause skin hypersensitivity.

GLP: yes

Benzene, C10-13 alkyl derivatives:

Route of exposure: Skin

Species: Guinea pig

Method: Guideline test OECD 406

Result: Does not cause skin hypersensitivity.

Bis(isopropyl)naphthalene:

Test type: Maximisation test

Route of exposure: Skin

Species: Guinea pig

Method: Guideline test OECD 406

Result: Does not cause skin hypersensitivity.

GLP: yes

Carcinogenicity

Product:

Notes: Not applicable

Reproductive toxicity

Product:

Effects on fertility:

Comments: No data available

Effects on foetal development:

Comments: No data available

STOT from single exposure

Product:

Notes: Not applicable

STOT on repeated exposure

Product:

Notes: Not applicable

Repeated-dose toxicity

Product:

Comments: No data available

Aspiration toxicity

Constituents:

Benzene, C10-13 alkyl derivatives:

The substance or mixture is known to cause aspiration toxicity or it should be considered to cause human aspiration hazard.

11.2 Information on other hazards

Endocrine-disrupting properties

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Product:

Assessment:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or 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:

Toxicity to fish:

Comments: No data available

Toxicity to daphnia and other aquatic invertebrates:

Comments: No data available

Constituents:

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

Bis(isopropyl)naphthalene:

Toxicity to fish:

LC50 (Leuciscus idus (golden bindweed)): > 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 toxicity):

1

12.2 Persistence and Degradability:

Product:

Biodegradability:

Comments: No data available

Physicochemical removability:

Comments: No data available

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Constituents:

Ethylenediamine propoxylated:

Biodegradability: GLP: yes

Benzene, C10-13 alkyl derivatives:

Biodegradability: Test type: aerobic

Result: Readily biodegradable.

Method: Guideline test OECD 301F

GLP: yes

Bis(isopropyl)naphthalene:

Biodegradability: Test type: aerobic

Result: Not readily biodegradable.

Method: Guideline test OECD 310

GLP: yes

12.3 Bioaccumulation:

Product:

Bioaccumulation:

Comments: No data available

Constituents:

Benzene, C10-13 alkyl derivatives:

Partition coefficient n-octanol/water: log Pow: 7,9 (25 °C)

Method: OECD Test Guideline 117

GLP: yes

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 components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

12.7 Other Harmful Effects:

Product:

Further information:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Additional ecological information:

Remarks: There is a risk of environmental damage if this substance is handled or disposed of improperly.

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SECTION 13: Disposal instructions

13.1 Waste treatment methods:

Product:

According to local and national regulations.
Container dangerous when empty.
Do not dispose together with household waste.
Do not mix streams during waste collection.

Contaminated packaging:

Empty containers should be disposed of at an authorised waste treatment facility for reuse or disposal.

SECTION 14: Information relating to transport

14.1 UN number

ADR/RID/ADN :	UN 3082
IMDG :	UN 3082
IATA :	UN 3082

14.2 Proper cargo name according to UN model regulations

ADR/RID/ADN :	ENVIRONMENTALLY HAZARDOUS LIQUID, 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

Packaging group :	III
Classification code :	M6
Hazard identification number :	90
Labels :	9
Tunnel restriction code:	-

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

Packaging group :	III
Labels :	9
EmS Code :	F-A, S-F

Notes :

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.

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IMDG Code segregation group - none

IATA (cargo)
Packing requirement (cargo aircraft): 964
Packaging group : III
Labels : Miscellaneous
Notes : 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)
Packing requirement (passenger aircraft): 964
Packaging requirement (LQ): Y964
Packaging group : III
Labels : Miscellaneous

14.5 Environmental hazards

ADR/RID/ADN

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 for information only, and based solely on the properties of the unpackaged material as described in this safety data sheet.

Transport classifications may vary in terms of mode of transport, packaging size and variations in regional or national regulations.

14.7 Sea transport in bulk in accordance with IMO instruments

Not applicable for product, as delivered.

SECTION 15: Statutory 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 ozone-depleting substances:

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:

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Not applicable

Overviews of toxic chemicals and precursor (intermediate) compounds of the International Convention on Chemical Weapons ("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

ENVIRONMENT

Other regulations:

As for the composition of the product, we deliberately do not add any of the substances indicated in European Directive 2011/65/EU (RoHS 2, RoHS3 and China RoHS).

The product therefore complies with the said guidelines.

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

15.2 Chemical safety assessment:

Not applicable.

SECTION 16: Other information

Full text of the H statements

H302 : Harmful if swallowed.
H304 : May be fatal if substance enters airways if swallowed.
H319 : Causes severe eye irritation.
H410 : Highly toxic to aquatic organisms with long-lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Chronic : Chronic aquatic toxicity
Asp. Tox. : Danger by inhalation
Eye Irrit. : Eye irritation
BE OEL: Occupational exposure limits
BE OEL / TGG 8 hr: Limit value

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Association for the Testing of Materials; bw - Body Weight; CLP - Regulation on Classification, Labelling and Packaging; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - List of substances used indoors (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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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 Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No discernible (negative) effect on concentration; NO(A)EL

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- No discernible (negative) effect on Level; NOELR - No discernible effect on loading 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 - Persistent, bioaccumulative and toxic substance; PICCS - Philippine inventory of chemicals and chemical substances; (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 (RID); 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 Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Training advice:

Provide proper 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 should not be considered a guarantee or indication of quality.