

Revision nr. 2
Dated 19/05/2023
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Replaced revision:1 (Dated: 19/01/2022)

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

UFI: ENPV-10RS-400C-DCF2

Product name VF CE

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

Intended use Adhesive

Identified Uses	Industrial	Professional	Consumer
Adhesive	-	✓	-
1.3. Details of the supplier of the safety data sheet			
Name	Vorpa Srl		
Full address	Via San Leo,5		
District and Country	47838 Riccione - RIMINI		
	Tel. +39 - 0541 607111		
	Fax +39 - 0541 699015		
	www.vorpa.com		
e-mail address of the competent person			
responsible for the Safety Data Sheet	vorpa@vorpa.com		
1.4 Emergency telephone number			

1.4. Emergency telephone number

For urgent inquiries refer to Tel. +39 - 0541 607111 (office hours)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Skin sensitization, category 1 H317 May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity,
category 2 H317 Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



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Signal words: Warning

Hazard statements:

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P280 Wear protective gloves.

P273 Avoid release to the environment.

P391 Collect spillage.

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

Contains: ethylene dimethacrylate

hydroxypropyl dibenzoyl peroxide

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
ethylene dimethacrylate		
INDEX 607-114-00-5	$8,5 \le x < 10$	STOT SE 3 H335, Skin Sens. 1 H317, Aquatic Chronic 3 H412, Classification note according to Annex VI to the CLP Regulation: D
EC 202-617-2		STOT SE 3 H335: ≥ 10%
CAS 97-90-5		
REACH Reg. 01-2119965172-38- XXXX hydroxypropyl		
INDEX -	$8,5 \le x < 10$	Eye Irrit. 2 H319, Skin Sens. 1 H317
EC 248-666-3		

CAS 27813-02-1 dibenzoyl peroxide



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INDEX 617-008-00-0

 $0.89 \le x < 1$

Org. Perox B H241, Eye Irrit. 2 H319, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=10, Classification note according to Annex VI to the CLP Regulation: T

EC 202-327-6 CAS 94-36-0

REACH Reg. 01-2119511472-50-

XXXX

Diisobutirrato di 1-isopropil-2,2-

dimetiltrimetilene INDEX

EC 229-934-9 CAS 6846-50-0

REACH Reg. 01-2119451093-47-

XXXX

Repr. 2 H361d, Aquatic Chronic 3 H412 $0,9 \le x < 1$

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists,

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Allergic reactions

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

Symptom treatment.

Make the safety data sheet available to the doctor

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.



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SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

hydroxypropyl			
Predicted no-effect concentration - PNEC			
Normal value in fresh water	0,904	mg/l	
Normal value in marine water	0,904	mg/l	
Normal value for fresh water sediment	6,28	mg/kg	
Normal value for marine water sediment	6,28	mg/kg	



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Normal value for water, interm	nittent release			0,972	mg.	/I		
Normal value of STP microorg	janisms			10	mg.	/I		
Normal value for the terrestrial	I compartment			0,727	mg.	/kg		
Health - Derived no-effec	ct level - DNEL / D Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral				systemic 2,5 mg/kg bw/d		systemic		systemic
Inhalation				8,8 mg/m3				14,7 mg/m3
Skin				2,5 mg/kg bw/d				4,2 mg/kg bw/d
ethylene dimethacrylate Predicted no-effect concentrat	tion - PNEC							
Normal value in fresh water				0,139	mg	<u>/</u> /		
Normal value in marine water				0,0139	mg			
Normal value for fresh water s	sediment			1,6	mg			
Normal value for marine water	r sediment			0,16	mg.			
Normal value of STP microorg				57	mg,			
Health - Derived no-effec	ct level - DNEL / D Effects on	DMEL			Effects on			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	workers Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,83 mg/kg		-		•
				hw/d				
Inhalation				bw/d 1,45 mg/m3				2,45 mg/m3
Inhalation Skin								2,45 mg/m3 1,3 mg/kg bw/d
Skin Diisobutirrato di 1-isopro		metilene		1,45 mg/m3 0,83 mg/kg				1,3 mg/kg
Skin Diisobutirrato di 1-isopro Predicted no-effect concentrat		metilene		1,45 mg/m3 0,83 mg/kg bw/d				1,3 mg/kg
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water		metilene		1,45 mg/m3 0,83 mg/kg bw/d 0,014	mg	Л		1,3 mg/kg
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water	tion - PNEC	metilene		1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014	mg.	/I		1,3 mg/kg
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s	tion - PNEC	metilene		1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29	mg mg	/l /kg		1,3 mg/kg
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s Normal value for marine water	sediment	metilene		1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29 0,529	mg mg	/l /kg /kg		1,3 mg/kg
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s Normal value for marine water Normal value for marine water	sediment r sediment ganisms			1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29	mg mg	/l /kg /kg		1,3 mg/kg
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s Normal value for marine water Normal value for marine water	sediment r sediment ganisms			1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29 0,529	mg mg	/l /kg /kg		1,3 mg/kg
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s Normal value for marine water Normal value of STP microorg Health - Derived no-effect	ediment r sediment ganisms ct level - DNEL / D Effects on		Chronic local	1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29 0,529 3 Chronic	mg mg mg	/kg /kg // Acute	Chronic local	1,3 mg/kg bw/d
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s Normal value for marine water Normal value of STP microorg Health - Derived no-effect Route of exposure	sediment r sediment ganisms ct level - DNEL / D Effects on consumers	DMEL	Chronic local	1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29 0,529 3	mg mg mg	/l /kg /kg	Chronic local	1,3 mg/kg bw/d
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s Normal value for marine water Normal value of STP microorg Health - Derived no-effect Route of exposure Oral	sediment r sediment ganisms ct level - DNEL / D Effects on consumers	DMEL	Chronic local	1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29 0,529 3 Chronic systemic	mg mg mg	/kg /kg // Acute	Chronic local	1,3 mg/kg bw/d
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s Normal value for marine water Normal value of STP microorg Health - Derived no-effect Route of exposure Oral Inhalation	sediment r sediment ganisms ct level - DNEL / D Effects on consumers	DMEL	Chronic local	1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29 0,529 3 Chronic systemic 5 mg/kg bw/d	mg mg mg	/kg /kg // Acute	Chronic local	1,3 mg/kg bw/d
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s Normal value for marine water Normal value of STP microorg Health - Derived no-effect Route of exposure Oral Inhalation Skin dibenzoyl peroxide	sediment r sediment ganisms ct level - DNEL / D Effects on consumers Acute local	DMEL	Chronic local	1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29 0,529 3 Chronic systemic 5 mg/kg bw/d 4,35 mg/m3	mg mg mg	/kg /kg // Acute	Chronic local	1,3 mg/kg bw/d Chronic systemic 17,62 mg/m3
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s Normal value for marine water Normal value of STP microorg Health - Derived no-effect Route of exposure Oral Inhalation Skin dibenzoyl peroxide Predicted no-effect concentrat	sediment r sediment ganisms ct level - DNEL / D Effects on consumers Acute local	DMEL	Chronic local	1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29 0,529 3 Chronic systemic 5 mg/kg bw/d 4,35 mg/m3 5 mg/kg bw/d	mg mg mg mg mg Effects on workers Acute local	/kg /kg // // Acute systemic	Chronic local	1,3 mg/kg bw/d Chronic systemic 17,62 mg/m3
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s Normal value for marine water Normal value of STP microorg Health - Derived no-effect Route of exposure Oral Inhalation Skin dibenzoyl peroxide Predicted no-effect concentrat Normal value in fresh water	sediment r sediment ganisms ct level - DNEL / D Effects on consumers Acute local	DMEL	Chronic local	1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29 0,529 3 Chronic systemic 5 mg/kg bw/d 4,35 mg/m3 5 mg/kg bw/d	mg mg mg mg mg Effects on workers Acute local	// //kg //kg // // Acute systemic	Chronic local	1,3 mg/kg bw/d Chronic systemic 17,62 mg/m3
Diisobutirrato di 1-isopro Predicted no-effect concentrat Normal value in fresh water Normal value in marine water Normal value for fresh water s	ediment r sediment ganisms et level - DNEL / D Effects on consumers Acute local	DMEL	Chronic local	1,45 mg/m3 0,83 mg/kg bw/d 0,014 0,0014 5,29 0,529 3 Chronic systemic 5 mg/kg bw/d 4,35 mg/m3 5 mg/kg bw/d	mg mg mg mg mg Effects on workers Acute local	// //kg //kg // // Acute systemic	Chronic local	1,3 mg/kg bw/d Chronic systemic 17,62 mg/m3



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Normal value of STP microorganisms 350 ug/L

Health - Derived no-ef	fect level - DNEL / [DMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				2 mg/kg bw/d				
Inhalation								39 mg/m3
Skin							0,034 mg/kg bw/d	13,3 mg/kg bw/d

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

Gloves: 0.7 mm Butyl rubber > 480 min

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	Suspension	



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Colour yellowish Odour characteristic Melting point / freezing point not available 240 °C Initial boiling point Flammability not available not available Lower explosive limit Upper explosive limit not available Flash point 110 °C Auto-ignition temperature not available

Decomposition temperature 55 °C

рΗ not available Kinematic viscosity not available Solubility insoluble in water Partition coefficient: n-octanol/water not available

Vapour pressure 0,01

1,1-1,2 g/cm3 Density and/or relative density Relative vapour density not available Particle characteristics not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials



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Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

properties of the substances it contains, using

cated in section 3, to evaluate the toxicological

In the absence of experimental data for the product itself, health hazards are evaluated according to the the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indieffects of exposure to the product.			
11.1. Information on hazard classes as defined in Regulation	on (EC) No 1272/2008		
Metabolism, toxicokinetics, mechanism of action and other infor	<u>rmation</u>		
Information not available			
Information on likely routes of exposure			
Information not available			
Delayed and immediate effects as well as chronic effects from s	short and long-term exposure		
Information not available			
Interactive effects			
Information not available			
ACUTE TOXICITY			
ATE (Inhalation) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:	Not classified (no significant component) Not classified (no significant component) Not classified (no significant component)		
hydroxypropyl			
LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):	> 5000 mg/kg > 2000 mg/kg 20 mg/l/4h		



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ethylene dimethacrylate

LD50 (Dermal):	2000 mg/kg
LD50 (Oral):	3300 mg/kg

Diisobutirrato di 1-isopropil-2,2-dimetiltrimetilene

LD50 (Oral): 2000 mg/kg

dibenzoyl peroxide

LD50 (Oral): 2000 mg/kg LC50 (Inhalation mists/powders): 24,3 mg/l/4h

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE



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Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment. **12.1. Toxicity**

dibenzovl	narovida

LC50 - for Fish	0,0602 mg/l/96h
EC50 - for Crustacea	0,11 mg/l/48h
EC50 - for Algae / Aquatic Plants	0,0711 mg/l/72h

ethylene dimethacrylate

LC50 - for Fish	15,95 mg/l/96h
EC50 - for Crustacea	44,9 mg/l/48h
EC50 - for Algae / Aquatic Plants	17,3 mg/l/72h

hydroxypropyl

EC50 - for Crustacea	> 143 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 97,2 mg/l/72h

Diisobutirrato di 1-isopropil-2,2-

dimetiltrimetilene

EC50 - for Crustacea 1,46 mg/l/48h EC50 - for Algae / Aquatic Plants 7,49 mg/l/72h

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

Information not available



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12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: 3082

ADR / RID: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not

submitted to ADR provisions.

IMDG: In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity ≤ 5Kg or

5L, is not submitted to IMDG Code provisions.

IATA: In accordance with SP A197, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to

IATA dangerous goods regulations.

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibenzoyl peroxide)
IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibenzoyl peroxide)
IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibenzoyl peroxide)

14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9





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IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9



14.4. Packing group

ADR / RID, IMDG, IATA: Ш

14.5. Environmental hazards

ADR / RID: Environmentally

Hazardous

IMDG: Marine Pollutant

IATA: Environmentally

Hazardous



14.6. Special precautions for user

ADR / RID: HIN - Kemler: 90 Limited Tunnel Quantities: 5 restriction code: (-)

Special provision: -

IMDG: EMS: F-A, S-F Limited Quantities: 5

IATA: Cargo: Maximum

quantity: 450 instructions:

964 Passengers: Maximum Packaging

quantity: 450

A97, A158, A197, A215 instructions: 964

Packaging

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Special provision:

Seveso Category - Directive 2012/18/EU: E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

3 Point

Contained substance



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Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 1: Low hazard to waters

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Org. Perox B Organic peroxide, type B

Repr. 2 Reproductive toxicity, category 2

Eye Irrit. 2 Eye irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

Skin Sens. 1 Skin sensitization, category 1

Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1

Aquatic Chronic 1 Hazardous to the aquatic environment, chronic toxicity, category 1



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Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2 **Aquatic Chronic 3** Hazardous to the aquatic environment, chronic toxicity, category 3

H241 Heating may cause a fire or explosion. H361d Suspected of damaging the unborn child.

H319 Causes serious eye irritation. H335 May cause respiratory irritation. H317 May cause an allergic skin reaction.

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.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008 - DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EÚ) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)



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- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review: The following sections were modified: 01 / 03 / 08 / 11 / 12 / 16.