



MATERIAL SAFETY DATA SHEET

Conforms to Reg. (EU) 878/2020

Issued on 25/03/2020

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

1.1. Product identifier

Code: **F_54**
Product name: **Candeggina Delicata Blu**
UFI: **NCP5-J05N-900Y-CXDD**

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

Identified Uses	Industrial	Professional	Consumer
Whitener and bleach	-	✓	✓

Uses Advised Against

Do not use for uses other than those indicated

1.3. Details of the supplier of the safety data sheet

Name: **NEW FADOR S.r.l.**
Full address: **via Mario Calderara, 31**
District and Country: **25018 Montichiari (BS)**
Italia

Tel. **+39 030961 243**

www.newfador.it

e-mail address of the competent person
responsible for the Safety Data Sheet

info@newfador.it

1.4. Emergency telephone number

For urgent inquiries refer to

NEW FADOR S.r.l.

+39 030961 243

(08.30 - 17.30)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

2.2. Label elements

Hazard pictograms: --

Signal word: --

Hazard statements: --

Precautionary

statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Ingredients (Regulation 648/2004)

Less than 5% Phosphonates, Anionic surfactants, Non-ionic surfactants, Oxygen-based bleaching agents

Perfumes



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2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.
The product does not contain substances with endocrine disrupting properties in concentration \geq 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)
hydrogen peroxide solution 35 %		
INDEX 008-003-00-9	$13,5 \leq x < 13,7$	Ox. Liq. 1 H271, Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1A H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Chronic 3 H412, Classification note according to Annex VI to the CLP Regulation: B
EC 231-765-0		Ox. Liq. 1 H271: $\geq 70\%$, Ox. Liq. 2 H272: $\geq 50\% - < 70\%$, Skin Corr. 1A H314: $\geq 70\%$, Skin Corr. 1B H314: $\geq 50\% - < 70\%$, Skin Corr. 1C H314: $\geq 50\% - < 70\%$, Skin Irrit. 2 H315: $\geq 35\% - < 50\%$, Eye Dam. 1 H318: $\geq 8\% - < 50\%$, Eye Irrit. 2 H319: $\geq 5\% - < 8\%$, STOT SE 3 H335: $\geq 35\%$ LD50 Oral: 472,5 mg/kg, ATE Inhalation vapours: 11 mg/l, ATE Inhalation mists/powders: 1,5 mg/l
CAS 7722-84-1		
REACH Reg. 01-2119485845-22		
MORPHOLINE		
INDEX 613-028-00-9	$0 < x < 0,05$	Flam. Liq. 3 H226, Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318 LD50 Oral: 1900 mg/kg, ATE Dermal: 1100 mg/kg, ATE Inhalation vapours: 11 mg/l
EC 203-815-1		
CAS 110-91-8		
REACH Reg. 01-2119496057-30		

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

SECTION 4. First aid measures



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4.1. Description of first aid measures

No effects are expected that would require the implementation of special first aid measures. The following information is practical indications of correct behavior in case of contact with a chemical product, even if it is not dangerous. If in doubt or if you experience symptoms, contact a doctor and show him this document.

In case of more serious symptoms, call 118 to obtain immediate medical help.

EYES: Remove contact lenses, if present, if the situation allows you to carry out the operation easily. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids wide. Consult a doctor immediately.

SKIN: Remove contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Consult a doctor. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless expressly authorized by your doctor. Do not give anything by mouth if the person is unconscious. Consult a doctor immediately.

INHALATION: Move the subject to fresh air, away from the accident site. Consult a doctor immediately.

Rescuer protection

It is good practice for the rescuer who provides help to a person who has been exposed to a chemical substance or mixture to wear personal protective equipment. The nature of these protections depends on the hazard of the substance or mixture, the mode of exposure and the extent of contamination. In the absence of other more specific indications, it is recommended to use disposable gloves in case of possible contact with biological liquids. For the type of PPE suitable for the characteristics of the substance or mixture, refer to section 8.

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

No known effects or symptoms in normal use.

In case of contact with skin: temporary skin irritation (redness, swelling, burning) may occur.

In case of contact with eyes: temporary eye irritation may appear (redness, swelling, burning, tearing).

In case of ingestion: accidental ingestion could cause gastrointestinal irritation (possible nausea, vomiting and diarrhea).

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

In case of symptoms, whether acute or delayed, consult a doctor.

In the event of an accident or feeling unwell, consult a doctor immediately (show the instructions for use or safety data sheet if possible).

Treatment: Symptomatic treatment.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye washing.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinction means

The extinction vehicles are the traditional ones: carbon dioxide, foam, dust and nebulized water.

Non -suitable extinction means

None in particular.

5.2. Special hazards arising from the substance or mixture

Dangers due to exposure in case of fire

Avoid breathing combustion products.

Combustion can produce gas and vapors potentially harmful to health such as carbon dioxide, carbon monoxide, satisfying, nox and irritating fumes.

5.3. Advice for firefighters

GENERAL INFORMATION

Cool the containers with jets of water to avoid decomposition of the product and the development of substances potentially dangerous to health. Always wear full fire protection equipment. Collect extinguishing water that must not be discharged into sewers. Dispose of the contaminated water used for



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extinguishing and the residue of the fire according to current regulations.

EQUIPMENT

Normal fire-fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire fighter boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For those who do not intervene directly

Block the loss if there is no danger.

Wear adequate protection devices (including the individual protective equipment referred to in section 8 of the security data sheet) in order to prevent contaminations of the skin, eyes and personal clothing. These indications are valid for both the employees processes that for emergency interventions.

Remove the unnecessary staff.

6.1.2. For those who intervene directly

Wear adequate protection devices (including the individual protective equipment referred to in section 8 of the security data sheet) in order to prevent contaminations of the skin, eyes and personal clothing. These indications are valid for both the employees processes that for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface waters and groundwater.

Retain contaminated wash water and discard it.

6.3. Methods and material for containment and cleaning up

Containment: Cover drains if necessary. Suck up the spilled product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Remediation: Provide sufficient ventilation of the area affected by the leak. Clean with plenty of water and retain the contaminated washing water and discard it. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding individual protection and disposal is shown to sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

There are no particular precautions, in any case, manipulating the product after consulting all the other sections of this safety card. Handle in compliance with good hygiene and industrial safety standards.

Avoid the dispersion of the product in the environment. Do not eat, nor drink, nor smoking during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container. Keep the closed containers, in a well -ventilated place, sheltered from direct sunlight. Store the containers away from any incompatible materials, checking section 10.

7.3. Specific end use(s)

Refer to the final uses identified in the subsection 1.2 of this form.



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SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.28 от 2 Април 2024г.)
CZE	Česká Republika	NAŘIZENÍ VLÁDY ze dne 18. října 2023, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	WirkungDosisNOAELMAK-und BAT-Werte-Liste 2024 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe
DNK	Danmark	BEK nr 291 af 19/03/2024 (Historisk) Bekendtgørelse om grænseværdier for stoffer og materialer (kemiske agenser) i arbejdsmiljøet
ESP	España	Límites de exposición profesional para agentes químicos en España 2024
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÄRDSMINISTERIETS PUBLIKATIONER 2020:25
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία``»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
HRV	Hrvatska	PRAVILNIK O IZMJENAMA I DOPUNAMA PRAVILNIKA O ZAŠTITI RADNIKA OD IZLOŽENOSTI OPASNIM KEMIČALIJAMA NA RADU, GRANIČNIM VRIJEDNOSTIMA IZLOŽENOSTI I BIOLOŠKIM GRANIČNIM VRIJEDNOSTIMA
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. 10. april 2024 kl. 13.55
NLD	Nederland	Regeling van de Minister van Sociale Zaken en Werkgelegenheid van 13 mei 2024, nr. 2024-0000092805, tot wijziging van de Arbeidsomstandighedenregeling in verband met de implementatie van Richtlijn 2022/431
PRT	Portugal	Decreto-Lei n.º 102/2024, de 4 de dezembro. Sumário: Transparência para a ordem jurídica interna a Diretiva (UE) 2022/431, relativa à proteção dos trabalhadores contra riscos ligados à exposição a agentes cancerígenos ou mutagénicos e procede à quarta alteração
POL	Polska	ROZPORZĄDZENIE MINISTRA RODZINY, PRACY I POLITYKI SPOŁECZNEJ z dnia 24 czerwca 2024 r. zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	HOTĂRÂRE nr. 179 din 28 februarie 2024 pentru modificarea și completarea Hotărârii Guvernului nr. 1.093/2006 privind stabilirea cerințelor minime de securitate și sănătate pentru protecția lucrătorilor împotriva riscurilor legate de expunerea la agenți ca
SWE	Sverige	Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön
SVK	Slovensko	121_2024 Z. z. Nariadenie vlády o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym, mutagénnym alebo reprodukčne toxickým faktorom pri práci
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti rakotvornim, mutagenim ali reprotoksičnim snovem pri delu. Ljubljana, četrtek 4. 4. 2024
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	ACGIH	ACGIH 2025

hydrogen peroxide solution 35 %

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm
TLV	BGR	1,5			
TLV	CZE	1	0,707	2	1,414
MAK	DEU	0,71	0,5	0,71	0,5
TLV	DNK	1,4	1		
VLA	ESP	1,4	1		



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VLEP	FRA	1,5	1		
HTP	FIN	1,4	1	4,2	3
TLV	GRC	1,4	1	3	
GVI/KGVI	HRV	1,4	1	2,8	2
TLV	NOR	1,4	1		
TGG	NLD		1		
NDS/NDSCh	POL	0,4		0,8	
NGV/KGV	SWE	1,4	1	3	2
NPEL	SVK	1,4	1	2,8	2
MV	SVN	1,4	1	1,4	1
WEL	GBR	1,4	1	2,8	2
ACGIH		1,4	1		

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,013	mg/l
Normal value in marine water	0,013	mg/l
Normal value for fresh water sediment	0,047	mg/kg
Normal value for marine water sediment	0,047	mg/kg
Normal value for water, intermittent release	0,014	mg/l
Normal value of STP microorganisms	4,66	mg/l
Normal value for the terrestrial compartment	0,002	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation	1.93 mg/m3		0.21 mg/m3		3 mg/m3		1.4 mg/m3	

MORPHOLINE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	36	10	72	20	
TLV	CZE	35	9,66	70	19,32	
AGW	DEU	18	5	18	5	SKIN
MAK	DEU	36	10	72	20	
TLV	DNK	36	10			SKIN E
VLA	ESP	36	10	72	20	
VLEP	FRA	36	10	72	20	
HTP	FIN	36	10	72	20	SKIN
TLV	GRC	36	10	72	20	
AK	HUN	36		72		
VLEP	ITA	36	10	72	20	SKIN
TLV	NOR	36	10			SKIN
TGG	NLD	36		72		SKIN
VLE	PRT	36	10	72	20	



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NDS/NDSch	POL	36		72		SKIN
TLV	ROU	36	10	72	20	
NGV/KGV	SWE	35	10	72	20	
NPEL	SVK	36	10	72	20	
MV	SVN	36	10	72	20	SKIN
WEL	GBR	36	10	72	20	SKIN
OEL	EU	36	10	72	20	
ACGIH		71	20			SKIN

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,163	mg/l
Normal value in marine water	0,016	mg/l
Normal value for fresh water sediment	1,83	mg/kg
Normal value for marine water sediment	0,183	mg/kg
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0,269	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,3 mg/kg bw/d				
Inhalation					72 mg/m3		36 mg/m3	
Skin								0,84 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

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

Generic hygiene practice at work involves certain measures (for example, shower and change of clothes at the end of the work shift) in order to avoid Any type of third party contamination and appropriate cleaning practices (i.e. regular cleaning with adequate cleaning devices), do not eat and smoke in the workplace.

In general, inhalation and ingestion must be avoided. Unless different indications, shoes and work clothing must be worn certificates. Contaminated work clothing must not be brought out of the workplace.

Ensure good general ventilation in the place of and effective local aspiration.

For the choice of personal protective equipment, ask for advice from their DPI suppliers.

Individual protection devices must report the EC marking certifying their compliance with current regulations.

HAND PROTECTION

Hand protection is not necessary under normal conditions of use, but if prolonged contact with the product is expected, it is recommended to protect the hands with category I work gloves (ref. standard EN 374).

Recommended materials: Natural Rubber - Latex (or equivalent material as it may cause sensitisation).

Protection class: 6 (permeation time greater than 480 minutes according to EN 374).

Recommended material thickness: ≥ 0.1 mm

When identifying the relevant material and the relative thickness to be used, it is highly recommended to consult directly with the PPE manufacturer to evaluate the effective protection based on use and duration of use.

For the final choice of work glove material, the following must be considered: compatibility, degradation, breaking time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is unpredictable. The gloves have a wear time that depends on the duration and method of use.



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SKIN PROTECTION

Wear category I 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 ISO 16321).

RESPIRATORY PROTECTION

Normally no respiratory protective device is required. In case of insufficient ventilation, exceeding the limit values in the workplace, excessive olfactory disturbance or in the presence of dust, aerosols, mists and smoke, it is necessary to use a respiratory protection mask independent of ambient air or a respiratory protection mask with filter or combined filters which must be chosen according to the EN 141 standard.

ENVIRONMENTAL EXPOSURE CONTROLS

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

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	blue	Remark: Visual
Odour	characteristic	Method: olfactory
Melting point / freezing point	0 °C	Method: literature data Substance: WATER
Initial boiling point	100 °C	Method: literature data Substance: WATER Initial boiling point: 100 °C
Flammability	not available	Reason for missing data: This property is not relevant to the safety and classification of this product.
Lower explosive limit	not available	Reason for missing data: This property is not relevant to the safety and classification of this product.
Upper explosive limit	not available	Reason for missing data: This property is not relevant to the safety and classification of this product.
Flash point	not available	Reason for missing data: This property is not relevant to the safety and classification of this product.
Auto-ignition temperature	not available	Reason for missing data: The substance/mixture does not self -have
Decomposition temperature	not available	Reason for missing data: It only applies to authoritative substances and mixtures, organic peroxides and other substances and mixtures that they can decompose
pH	3.5 ± 0.5	Method: pHmeter
Kinematic viscosity	not available	Reason for missing data: This property is not relevant to the safety and classification of this product.
Solubility	soluble in water	
Partition coefficient: n-octanol/water	not available	Reason for missing data: does not apply to inorganic and ionic liquids and, as a rule, it does not apply to blends
Vapour pressure	0,02 Atm	Method: datum of literature Substance: WATER



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Density and/or relative density 1,021
Relative vapour density 0,0006 Kg/dm³

Vapour pressure: 17,5 mmHg

Temperature: 20 °C

Method: scaled scale and cylinder

Substance: WATER

Particle characteristics

Median equivalent diameter

Remark: It only applies to solids

Size distribution

Remark: It only applies to solids

Dustiness

Remark: It only applies to solids

Specific surface area

Remark: It only applies to solids

Shape

Remark: It only applies to solids

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Acid/alkaline reserve not available

Miscibility not available

Explosive properties not available

Oxidising properties not available

Remark: Tests on the buffer capacity of the substance/mixture was not performed.

Remark: See section 9.1 Solubility

Reason for missing data: Absent chemical groups associated with explosive properties in accordance with the provisions of Annex I, Part 2, chap. 2.1.4.3 of Reg. (EC) 1272/2008 – CLP

Reason for missing data: Absent requirements related to the presence of atoms or chemical bonds associated with oxidizing properties in the molecules of the components according to Annex I, Part 2, 2.13.4 Reg. (CE) 1272/2008

SECTION 10. Stability and reactivity

10.1. Reactivity

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

HYDROGEN PEROXIDE SOLUTION 35%

Decomposes if exposed to: light, heat. Decomposes on contact with: alkaline metals. Possibility of explosion.

Stable in normal conditions.

MORPHOLINE

On contact with: strong oxidizing agents, reducing agents, strong acids, strong bases. May develop: heat.

10.2. Chemical stability

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



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HYDROGEN PEROXIDE SOLUTION 35%
Stable in normal conditions.

10.3. Possibility of hazardous reactions

In normal use and storage conditions, no dangerous reactions are predictable.

HYDROGEN PEROXIDE SOLUTION 35%
None in particular, if used in accordance with the expected uses.

10.4. Conditions to avoid

None in particular. However, to follow the usual caution towards chemicals.

HYDROGEN PEROXIDE SOLUTION 35%
Avoid exposure to: light, heat. Avoid contact with: alkaline substances. Light, heat, high temperatures.

10.5. Incompatible materials

Strong alkalis, oxidizing agents. Don't mix with other chemicals.

HYDROGEN PEROXIDE SOLUTION 35%
Incompatible with: flammable substances, acetone, ethanol, glycerol, organic sulphides, hydrated bases, oxidising substances, iron, copper, bronze, chromium, zinc, lead, silver, manganese, acetic acid. Reductive agents, bases, metals without coating, acetone.

10.6. Hazardous decomposition products

For thermal decomposition or in the event of a fire you can free gases and vapors potentially harmful to health as carbon dioxide, carbon monoxide and irritating fumes.

HYDROGEN PEROXIDE SOLUTION 35%
Oxygen.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

The mixture as such has not been subjected to specific tests, therefore no experimental evaluations are available; please refer to the information in this subsection.

Information on likely routes of exposure

The likely routes of exposure depend on the use of the mixture. Usually dermal exposure is the most likely, rarely inhalation and oral. For the effects, please refer to the other subsections in this section and to section 4 of this sheet.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

The mixture as such has not been subjected to specific tests, therefore no experimental evaluations are available; please refer to the other subsections in this section and to section 4 of this sheet.

Interactive effects

Under normal conditions of use no interactive effects are currently expected.



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ACUTE TOXICITY

ATE (Inhalation - mists / powders) of the mixture: > 5 mg/l
ATE (Inhalation - vapours) of the mixture: > 20 mg/l
ATE (Oral) of the mixture: >2000 mg/kg
ATE (Dermal) of the mixture: Not classified (no significant component)

hydrogen peroxide solution 35%

LD50 (Dermal): > 2000 mg/kg Rabbit
at the concentration of 35%
LD50 (Oral): 1350 mg/kg Rat
at the concentration of 35%

MORPHOLINE

LD50 (Dermal): 500 mg/kg Rabbit; OECD 402
LD50 (Oral): 1900 mg/kg Rat; OECD 401
LC50 (Inhalation vapours): 8 mg/l/4h Rat; OECD 403

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

HYDROGEN PEROXIDE SOLUTION 35%

The substance is classified as H314 category 1A as indicated in Annex VI of Reg.1272/2008 (EC) CLP

MORPHOLINE

Method: OECD 404
Reliability (Klimisch score): 2
Species: rabbit (Vienna White)
Results: corrosive
Source: ECHA CHEM 04/26

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

HYDROGEN PEROXIDE SOLUTION 35%

It does not meet the classification criteria for this hazard class.

MORPHOLINE

Method: OECD 405
Reliability (Klimisch score): 1
Species: rabbit
Results: corrosive
ECHA CHEM 04/26

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

HYDROGEN PEROXIDE SOLUTION 35%

It does not meet the classification criteria for this hazard class.

MORPHOLINE

It does not meet the classification criteria for this hazard class.

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

HYDROGEN PEROXIDE SOLUTION 35%

It does not meet the classification criteria for this hazard class.



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MORPHOLINE

It does not meet the classification criteria for this hazard class.

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

HYDROGEN PEROXIDE SOLUTION 35%

It does not meet the classification criteria for this hazard class.

MORPHOLINE

It does not meet the classification criteria for this hazard class.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

HYDROGEN PEROXIDE SOLUTION 35%

It does not meet the classification criteria for this hazard class.

MORPHOLINE

It does not meet the classification criteria for this hazard class.

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

HYDROGEN PEROXIDE SOLUTION 35%

The substance is classified as H335 as indicated in Annex VI of Reg. 1272/2008 (EC) CLP.

MORPHOLINE

It does not meet the classification criteria for this hazard class.

Target organs

HYDROGEN PEROXIDE SOLUTION 35%

Organs affected: Respiratory system ECHA CHEM 05/2026

Route of exposure

HYDROGEN PEROXIDE SOLUTION 35%

inhalation

Based on inhalation exposure studies conducted in rats with 50% w/w solutions

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

HYDROGEN PEROXIDE SOLUTION 35%

It does not meet the classification criteria for this hazard class.

MORPHOLINE

It does not meet the classification criteria for this hazard class.

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

HYDROGEN PEROXIDE SOLUTION 35%

It does not meet the classification criteria for this hazard class.



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MORPHOLINE

It 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

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

hydrogen peroxide solution 35 %

LC50 - for Fish 16,4 mg/l/96h

EC50 - for Crustacea 2,4 mg/l/48h

EC50 - for Algae / Aquatic Plants 1,38 mg/l/72h

Chronic NOEC for Algae / Aquatic Plants 0,63 mg/l

MORPHOLINE

LC50 - for Fish > 100 mg/l/96h *Oryzias latipes*

EC50 - for Crustacea 45 mg/l/48h *Daphnia magna*, OECD 202

EC50 - for Algae / Aquatic Plants 65 mg/l/72h *Pseudokirchneriella subcapitata*, OECD 201

EC10 for Crustacea 8,134 mg/l/21d *Daphnia magna*, OECD 211

EC10 for Algae / Aquatic Plants 31 mg/l/72h *Pseudokirchneriella subcapitata*, OECD 201

12.2. Persistence and degradability

hydrogen peroxide solution 35 %

Solubility in water 100000 mg/l

Rapidly degradable

MORPHOLINE

Solubility in water 1000 g/l

Rapidly degradable 93%; 25D; EU Method C.4-B

12.3. Bioaccumulative potential

hydrogen peroxide solution 35 %

Partition coefficient: n-octanol/water -1,57

MORPHOLINE

Partition coefficient: n-octanol/water -2,55 25°C; pH 7

BCF < 2,8 l/kg



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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 \geq 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

Before disposal, it is always recommended to classify waste according to applicable national legislation.

Indicatively, the codes of the European waste list can be:

20 01 29* - detergents containing dangerous substances

15 01 10* - packaging containing residues of dangerous substances or contaminated by such substances

The release of waste in the sewer is strongly not recommended. The disposal of this product, solutions and any by-product must be carried out by always certifying the indications of the law on the protection of the environment and on the disposal of waste and the requirements of each relevant local authority.

Do not get rid of the product and the container except with the necessary precautions. Empty containers can contain product residues. Avoid the dispersion and outflow of material possibly spilled and the contact with soil, waterways, exhausts and sewers.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group



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not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

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

Seveso Category - Directive 2012/18/EU: None

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

Product

Point 40

Contained substance

Point	75	HYDROGEN PEROXIDE SOLUTION 35% REACH Reg.: 01-2119485845-22
Point	75	MORPHOLINE REACH Reg.: 01-2119496057-30
Point	75	SODIUM HYDROXIDE REACH Reg.: 01-2119457892-27
Point	75	Sodium 3,3'-(9,10-dioxoanthracene-1,4-diylidimino)bis(2,4,6-trimethylbenzenesulphonate) REACH Reg.: 01-2120119368-54

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

Regulated explosives precursor. The acquisition, introduction, possession or use of that regulated explosives precursor by members of the general public is subject to reporting obligations as set out in Article 9. All suspicious transactions and significant disappearances and thefts must be reported to the relevant national contact point.

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq 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

Information not available



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Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

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:

Flam. Liq. 3	Flammable liquid, category 3
Ox. Liq. 1	Oxidising liquid, category 1
Ox. Liq. 2	Oxidising liquid, category 2
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion, category 1A
Skin Corr. 1B	Skin corrosion, category 1B
Skin Corr. 1C	Skin corrosion, category 1C
Skin Corr. 1	Skin corrosion, category 1
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road



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- 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
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- 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
- vPvM: Very persistent and very mobile
- 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 (EU) 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)
 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)
 23. Delegated Regulation (UE) 2023/707
 24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
 25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
 26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)
 27. Delegated Regulation (UE) 2024/2564 (XXII Atp. CLP)
 28. Regulation (EU) 2024/2865
- 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



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- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

- ECHA CHEM website (ECHA Chemicals Database)

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. We do not assume responsibility for improper use.

Provide adequate training to personnel responsible for using chemical products.

CLASSIFICATION CALCULATION METHODS

Chemical-physical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2. The methods of evaluation of the chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on the calculation methods in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 04 / 08 / 09 / 10 / 11 / 12 / 13 / 15 / 16.