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1. Identification of the substance / preparation and of the company / undertaking

1.1 Product identifier:

Trade name: **DEXAL CANDEGGINA DELICATA**

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

Sector uses: Whiteners and bleaches
Private households (= general public = consumers)[SU21],
Public domain (administration, education, entertainment, services, craftsmen)[SU22]
Uses advised against: Do not use for purposes other than those listed

1.3 Details of the supplier of the safety data sheet:

Supplier: S.I.C. Società italiana chimica S.r.l.
Via Aldo Moro 5 – 25043 Breno (BS) – Italy

Produced by: MORONI S.r.l.
Via Prato della Corte 3 – 00065 Fiano Romano (RM) - Italy
Tel. +39 0765 455945 - Fax +39 0765 455943
www.moronisrl.com - info@moronisrl.com

1.4 Emergency telephone number:

Tel. + 39 0765 455945 (From 8.30 to 17.30 – Monday / Friday)
At paragraph 16 of this tab indicates the contact details of poison control centers in Italy active 24 hours on 24.

2. Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008:

Pictograms:
GHS05

Hazard Class and Category Code(s):
Eye Dam. 1

Hazard statement Code(s):
H318 - Causes serious eye damage.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

2.2 Label elements:

Labeling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):
GHS05 - Danger



Hazard statement Code(s):
H318 - Causes serious eye damage.

Supplemental Hazard statement Code(s):
not applicable

Precautionary statements:

General

- P101 - If medical advice is needed, have product container or label at hand.
- P102 - Keep out of reach of children.


Prevention

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

Response

- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER.

Contains: hydrogen peroxide solution 7.2%, Alcohols, C12-14, ethoxylated, sulfates, sodium salts

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Contains (Reg.EC 648/2004): 5% < 15% oxygen-based bleaching agents,< 5% anionic surfactants, non-ionic surfactants, phosphonates, perfumes, Hexyl cinnam-aldehyd.

2.3 Other hazards:

The substance / mixture does NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards.

Packaging to be fitted with child-resistant fastenings

Packaging to be fitted with a tactile warning

3. Composition / information on ingredients

3.1 Substances:

Irrelevant.

3.2 Mixtures:

Refer to paragraph 16 for full text of hazard statements.

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
hydrogen peroxide solution ... %	>= 5 <= 7.2%	Ox. Liq. 1, H271; Acute Tox. 4, H302; Skin Corr. 1A, H314; Acute Tox. 4, H332;	008-003-00-9	7722-84-1	231-765-0	01-2119485845-22
Alcohols, C12-14, ethoxylated,	> 0,1 <= 1%	Skin Irrit. 2, H315;	N.A.	68891-38-3	500-234-8	01-211948
sulfates, sodium salts		Eye Dam. 1, H318; Aquatic Chronic 3, H412				8639-16

4. First aid measure



4.1 Description on first aid measure:

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area.

If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine.

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

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

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

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

Immediately call a POISON CENTER.

5. Fire-fighting measure




5.1 Extinguishing media:

Recommended extinguishing means:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing media to avoid:

Water jets. Use water jets only to cool down surfaces of the containers exposed to fire.

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5.2 Special hazards arising from the substance or mixture:

No data available.

5.3 Advice for fire-fighters:

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray.

6. Measures in case of accidental release

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke.

Wear mask, gloves and protective clothing.

For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2 Environmental precautions:

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations.

6.3 Methods and materials for containment and cleaning up:

To contain:

Rapidly recover the product, wear a mask and protective clothing.

Recover the product for reuse if possible, or for elimination. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

For cleaning:

After wiping up, wash with water the area and materials involved.

Other information:

None in particular.

6.4 Reference to other sections:

Refer to paragraphs 8 and 13 for further information.

7. Handling and storage

7.1 Precaution for safe handling:

Avoid contact and inhalation of vapors

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

At work do not eat or drink.

See also paragraph 8 below.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in original container tightly closed. Do not store in open or unlabeled containers.

Keep the containers in upright position and secure avoiding the possibility of falls or collisions.

Store in a cool place, away from any sources of heat and direct exposure of sunlight.

7.3 Specific end uses:

Private households (= general public = consumers):


Store in cool and dry places.

Public domain (administration, education, entertainment, services, craftsmen):

Handle with care.

Store in ventilated place away from heat sources.

Keep the container tightly closed.

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8. Exposure controls / personal protection

8.1 Control parameters:

No data available on the mixture.

Related to contained substances

hydrogen peroxide solution ... %:

TLV: 1 ppm as TWA A3 (approved for the animal carcinogen with unknown relevance to humans); (ACGIH 2004).

MAK: 7.1 0.5 ppm mg/m

Peak limitation category: the (1) carcinogenicity class: 4; Risk group for pregnancy: C; (DFG 2005).

Specification: DNEL (EC)

Parameter: local_short term_Inhalation_Workers Effects

Value: 3 mg/m3

Version/date:

Specification: DNEL (EC)

Parameter: local_long term_Inhalation_Workers Effects

Value: 1.4 mg/m3

Version/date:

Specification: DNEL (EC)

Parameter: local_short term_Inhalation_Population Effects

Value: 1.93 µg/m3

Version/date:

Specification: DNEL (EC)

Parameter: local_Long term_Inhalation_Population Effects

Value: 0.21 mg/m3

Version/date:

Specification: PNEC STP (EC)

Value: 4.66 mg/l

Version/date:

Specification: PNEC (EC)

Parameter: Sediment (freshwater)

Value: 0.047 mg/kg

Version/date:

Specification: PNEC (EC)

Parameter: Sediment (sea water)

Value: 0.047 mg/kg

Version/date:

Specification: PNEC (EC)

Parameter: Soil

Value: 0.0023 mg/kg

Version/date:

Specification: PNEC (EC)

Parameter: fresh water

Value: 0.0126 mg/l

Version/date:

Specification: PNEC (EC)

Parameter: sea water

Value: 0.0126 mg/l

Version/date:

Specification: PNEC (EC)

Parameter: intermittent Emission

Value: 0.0138 mg/l

Version/date:

Specification: TLV/TWA (EC)

Value: 1 ppm

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

DNEL, inhalation, long term, systemic effects, employees: 175 mg/m3

DNEL, dermal, long term, systemic effects, workers: 2750 mg/kg bw/day

DNEL, inhalation, long term, systemic effects, population: 52 mg/m3

DNEL, dermal, long term, systemic effects, population: 1650 mg/kg bw/day

DNEL, oral, long term, systemic effects, population: 15 mg/kg bw/day

PNEC, fresh water: 0.24 mg/l

PNEC, seawater: 0.024 mg/l

PNEC, water (intermittent release): 0.071 mg/l


PNEC, wastewater treatment plant: 10 mg/l

PNEC, sediments (fresh water): 5.45 mg/kg dw sediment

PNEC, sediments (sea water): 0.545 mg/kg dw sediment

PNEC, soil: soil 7.5 mg/kg dw

8.2 Exposure controls:

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Appropriate engineering controls:

Private households (= general public = consumers):

Open with caution. Close the container immediately after its use.

Adopt the appropriate protective measures.

Public domain (administration, education, entertainment, services, craftsmen):

Open with caution. Close the container immediately after its use.

Adopt the appropriate protective measures.

Individual protection measures:

(a) Eye / face protection

Not needed for normal use

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3).

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.


9. Physical and chemical properties

9.1. Information on basic physical and chemical

Physical and chemical properties	Value	Method of determination
Appearance	liquid	
Odour	characteristic	
Odour threshold	not defined	
pH	3,50 – 4,00	
Melting point / freezing point	This property is not suitable for safety and product classification	
Initial boiling point and boiling range	This property is not suitable for safety and product classification	
Flash point	data not available	ASTM D92
Evaporation rate	This property is not suitable for safety and product classification	
Flammability (solid, gas)	data not available	
Upper / lower flammability or explosive limits	This property is not suitable for safety and product classification	
Vapour pressure	This property is not suitable for safety and product classification	
Vapour density	data not available	
Relative density	1.02 +/- 0.01	
Solubility	in water	
Water solubility	complete	
Partition coefficient: n-octanol/water	data not available	
Auto-ignition temperature	This property is not suitable for safety and product classification	
Decomposition temperature	This property is not suitable for safety and product classification	
Viscosity	data not available	
Explosive properties	not classified as explosive, does not contain explosives according to reg. CLP Art. (14 (2)	
Oxidizing properties	the product is not an oxidizing substance	

9.2 Other information

No data available.

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10. Stability and reactivity

10.1 Reactivity:

hydrogen peroxide solution ... %
It can generate dangerous reactions

Undecanolo, ramificato e lineare, etossilato, propossilato
Stable at normal ambient conditions of temperature and pressure. No decomposition if stored and applied as directed.

10.2 Chemical stability:

No hazardous reaction when handled and stored according to provisions.

10.3 Possibility of hazardous reactions:

Acids (violent decomposition with evolution of chlorine). Metals (decomposition with formation of oxygen).

10.4 Condition to avoid:

Direct sunlight. Sources of light / heat. Humidity.

10.5 Incompatible materials:

Acids.
The organic substances.
Metals such as copper, nickel, cobalt, iron and their salts and alloys.
Amines, methanol, and ammonium salts.

10.6 Hazardous decomposition products:

Does not decompose when used for intended uses.

11. Toxicological information

11.1 Information on toxicological effects:

No toxicological tests have been performed on the mixture.


- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation: based on available data, the classification criteria are not met.
- (c) serious eye damage/irritation: If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure: based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

hydrogen peroxide solution ... %:
LD50 oral (426-1026) rat (OECD 401) mg / kg ECHA Dossier
Dermal LD50 > 2000 mg / kg Rabbit ECHA Dossier
by inhalation steam ATE 11 mg / l
by inhalation (4 h) aerosol LC50 (> 0.17 to 50% H2O2) mg / l ECHA Dossier
Oral LD50 (rat) (mg / kg body weight) = 1026
Dermal LD50 (rat or rabbit) (mg / kg body weight) = 693.7
Inhalation LC50 (rat) vapor / dust / aerosol / smoke (mg / l / 4h) or gas (ppmv / 4h) = 170

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

Acute toxicity.
Acute oral toxicity:
> LD50 2000 mg/kg.
Method: OECD 401.
Toxicity acute dermal:
> LD50 2000 mg/kg.
Method: OECD 402 (value of literature).
Skin Corrosion/Irritation:

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Rabbit; irritating.

Method: OECD 404.

Serious eye injuries/ocular severe Irritation:

Rabbit; causes serious eye injuries.

Method: OECD 405 (value of literature).

Respiratory or skin sensitization: Guinea-pig Maximisation test: not a sensitizer.

Method: OECD 406.

Germ cell Mutagenicity.

In vitro mutagenesis:

Ames Method; Salmonella typhimurium; with and without metabolic activation: non-mutagenic.

Method: OECD 471.

12. Ecological Information

12.1 Toxicity:

The product has not been tested for environmental impact in the event of accidental release in the environment.

Related to contained substances:

hydrogen peroxide solution ... %:

EC50, 72 h algae *Skeletonema costatum*, value = 1.38 mg/l

LC50 96 h Fish, *Pimephales promelas*, value = 16.4 mg/l

LC50, 48 h *Daphnia pulex*, *Daphnia*, value = 2.4 mg/l

NOEC, 96 h, fish, *Pimephales promelas*, value = 5 mg/l

C(E)L50 (mg/l) = 2,4

NOEC (mg/l) = 5

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

Toxicity

Toxicity fish:

LC50 *Brachydanio rerio* > 1-10 mg/l.

OECD TG 203 (semistatic)

Acute toxicity to invertebrates:

EC50 (48 h) *Daphnia magna* > 1-10 mg/l.

OECD TG 202 (static)

Toxicity to aquatic plants/algae:

EC50 (72 h) *Desmodesmus subspicatus* (green algae) 10-100 > mg/l product.

OECD TG 201 (static)

Use according to good working practices to avoid pollution into the environment.

12.2 Persistence and degradability:

Related to contained substances:

hydrogen peroxide solution ... %:

Readily biodegradable.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

Rapidly biodegradable > 70%; 28 d; aerobic exercise; OECD TG 301 (new version)

12.3 Bioaccumulative potential:

Related to contained substances:

hydrogen peroxide solution ... %:

It Degrades. Not bioaccumulative

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

Not been shown to bioaccumulate.

12.4 Mobility in soil:

Related to contained substances:


hydrogen peroxide solution ... %:

No data available.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

No data available

12.5 Results of PBT and vPvB assessment:

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The substance / mixture does NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6 Other adverse effects:

No adverse effects are observed.

Regulation (EC) No. 2006/907 - 2004/648

The surfactant (s) contain (s) in this formulation comply (ies) with the criteria set out in Regulation (EC) biodegradability/648/2004 on detergents. All supporting data shall be kept at the disposal of the competent authorities of the Member States and will be provided, at their explicit request or at the request of a manufacturer of the formulation, the above authority.

13. Disposal considerations

13.1 Methods of waste treatment:

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Operate according to local or national regulations.

14. Transport information



14.1 UN number:

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2 UN proper shipping name:

None.

14.3 Classes of transport hazard:

None.

14.4 Packing group:

None.

14.5 Environmental hazards:

None.

14.6 Special precautions for user:

No data available.

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

It is not intended to carry bulk.

15. Regulatory information

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

Reg. 648/2004/EC (detergents), Decree 2/2/2002 n. 25 (risks related to chemical agents at work). D.m. 2/26/2004 Work (occupational exposure limits); D.m. 4/3/2007 (implementation of Directive 2006/8/EC). Regulation (EC) No 1907/2006 (REACH) Regulation (EC) no 1272/2008 (CLP), Regulation (EC) no 790/2009, 2012/18/EU Directive (cd. Seveso III).


15.2 Chemical safety assessment:

No chemical safety assessment was carried out by the supplier.

16. Other information

Description of the hazard statements exposed to point 3

H271 = May cause fire or explosion; strong oxidiser.

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H302 = Harmful if swallowed.

H314 = Causes severe skin burns and eye damage.

H332 = Harmful if inhaled.

H318 = Causes serious eye damage.

H315 = Causes skin irritation.

Classification based on data of all mixture components

Main normative references:

Regulation 2008/1272/EC

Regulation 2015/830/EC

Link ECHA (source of information on chemical substances produced or imported in Europe)

<https://echa.europa.eu/information-on-chemicals>

MSDS provided by the customer and on the same raw material

In case of need, there are the telephone numbers are active 24 hours 24 some poison control centers:

Responsabile	Ospedale	Città	Indirizzo	CAP	Telefono
Marco Marano	CAV "Osp. Pediatrico Bambino Gesù"	Roma	Piazza Sant'Onofrio, 4	00165	06 68593726
Anna Lepore	Az. Osp. Univ. Foggia	Foggia	V.le Luigi Pinto, 1	71122	0881-732326
Gennaro Savoia	Az. Osp. "A. Cardarelli"	Napoli	Via A. Cardarelli, 9	80131	081-7472870
M. Caterina Grassi	CAV Policlinico "Umberto I"	Roma	V.le del Policlinico, 155	00161	06-49978000
Alessandro Barelli	CAV Policlinico "A. Gemelli"	Roma	Largo Agostino Gemelli, 8	00168	06-3054343
Primo Botti	Az. Osp. "Careggi" U.O. Tossicologia Medica	Firenze	Largo Brambilla, 3	50134	055-7947819
Carlo Locatelli	CAV Centro Nazionale di Informazione Tossicologica	Pavia	Via Salvatore Maugeri, 10	27100	0382-24444
Franca Davanzo	Osp. Niguarda Ca' Granda	Milano	Piazza Ospedale Maggiore, 3	20162	02-66101029
M. Luisa Farina	Azienda Ospedaliera Papa Giovanni XXII	Bergamo	Piazza OMS, 1	24127	800883300

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