

**DECO INDUSTRIE S.C.P.A.**

Revision nr. 7

Dated 03/03/2022

SCALA DISGORGANTE CON CANDEGGINA

Printed on 12/10/2022

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Replaced revision:6 (Printed on: 18/01/2022)

Safety Data Sheet

According to Annex II to REACH - Regulation 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

Code: **D1044665**
Product name: **SCALA DISGORGANTE CON CANDEGGINA**
UFI: **EK81-80KY-F009-MYNC**

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

Identified Uses	Industrial	Professional	Consumer
Detergente per superfici	-	-	PC: 35.
Uses Advised Against			

This product is not recommended for other uses.

1.3. Details of the supplier of the safety data sheet

Name: **DECO INDUSTRIE S.C.P.A.**
Full address: **Via Caduti del Lavoro, 2**
District and Country: **48012 Bagnacavallo (RA)**
Italia
Tel. **+39 0545 935511**
Fax **+39 0545 935600**

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

schede.sicurezza@decoindustrie.it

1.4. Emergency telephone number

For urgent inquiries refer to

Centro Antiveleni di Milano 02 66101029 (CAV Osp. Niguarda Ca` Granda -MI)
Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)
Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo)
Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze)
Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma)
Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma)
Centro Antiveleni di Foggia 0881 732326 (CAV Ospedali Riuniti – Foggia)
Centro Antiveleni di Roma 06 68593726 (CAV Ospedale Bambin Gesù – Roma)
Centro Antiveleni di Verona 800 011858 (CAV Ospedale AOUI – Verona)
Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)

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:

Substance or mixture corrosive to metals, category 1	H290	May be corrosive to metals.
Skin corrosion, category 1A	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment, acute toxicity, category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment, chronic toxicity, category 2	H411	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:

Signal words: Danger

Hazard statements:

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.
EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).

Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P501	Dispose of contents in accordance with local regulations
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains: SODIUM HYDROXIDE
SODIUM HYPOCHLORITE, SOLUTION 5 % Cl ACTIVE

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

Less than 5%	non-ionic surfactants, soap
5% or over but less than 15%	chlorine-based bleaching agents



perfumes

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

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE CAS 7681-52-9 EC 231-668-3 INDEX 017-011-00-1 REACH Reg. 01-2119488154-34	$5 \leq x < 6$	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1, EUH031, EUH206, Classification note according to Annex VI to the CLP Regulation: B EUH031: \geq 5%, EUH206: \geq 1%, Met. Corr. 1 H290: \geq 0%
AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES CAS 68955-55-5 EC 931-341-1 INDEX - REACH Reg. 01-2119489396-21	$1 \leq x < 2,5$	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411 LD50 Oral: 846 mg/kg
SODIUM HYDROXIDE CAS 1310-73-2 EC 215-185-5 INDEX 011-002-00-6 REACH Reg. 01-2119457892-27	$0,5 \leq x < 1,5$	Met. Corr. 1 H290, Skin Corr. 1A H314, Eye Dam. 1 H318 Met. Corr. 1 H290: \geq 0%, Skin Corr. 1B H314: \geq 2%, Skin Irrit. 2 H315: \geq 0,5%, Eye Dam. 1 H318: \geq 2%, Eye Irrit. 2 H319: \geq 0,5%
POTASSIUM LAURATE CAS 10124-65-9 EC 233-344-7 INDEX - REACH Reg. esente annex V	$1 \leq x < 1,5$	Eye Irrit. 2 H319, Skin Irrit. 2 H315
AMMINA C12-C18 ALCHIL DIMETIL CAS 68391-04-8 EC 269-923-6 INDEX -	$0 \leq x < 0,1$	Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1 LD50 Oral: 1000 mg/kg

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

**SCALA DISGORGANTE CON CANDEGGINA****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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures**5.1. Extinguishing media**

SUITABLE EXTINGUISHING EQUIPMENT

Choose the most appropriate extinguishing equipment for the specific case.

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

The product is neither flammable nor combustible.

5.3. Advice for firefighters

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.

**SCALA DISGORGANTE CON CANDEGGINA****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**

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.5 от 17 Януари 2020г.)
CZE	Česká Republika	Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÅRDSMINISTERIETS 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
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s

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SCALA DISGORGANTE CON CANDEGGINA

Oral	0,44 mg/kg bw/d	
Inhalation	1,53 mg/m3	6.2 mg/m3
Skin	5,5 mg/kg bw/d	11 mg/kg bw/d

**SODIUM HYDROXIDE
Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	2				
TLV	CZE	1		2		
TLV	DNK	2				
VLEP	FRA	2				
HTP	FIN			2 (C)		
TLV	GRC	2		2		
AK	HUN	2		2		
NDS/NDSch	POL	0,5		1		
TLV	ROU	1		3		
NPEL	SVK	2				
MV	SVN	2		2		INHAL
WEL	GBR			2		
TLV-ACGIH				2 (C)		

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 mg/m3				1 mg/m3	

AMMINA C12-C18 ALCHIL DIMETIL**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 mg/m3	1 mg/m3	1 mg/m3	1 mg/m3				

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

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.

**SCALA DISGORGANTE CON CANDEGGINA**

Provide an emergency shower with face and eye wash station.

If the product may or must come into contact or react with acids, suitable technical and/or organisational measures should be taken to prevent the development of toxic and/or inflammable gases.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: 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.

SKIN PROTECTION

Wear category III 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 a hood visor or protective visor combined with airtight 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	liquid	
Colour	yellowy	
Odour	characteristic	
Odour threshold	not applicable	
Melting point / freezing point	not applicable	Reason for missing data:liquid mixture
Initial boiling point	not applicable	Reason for missing data:if the product is used and stored in normal condition, any data would be required
Boiling range	not applicable	Reason for missing data:if the product is used and stored in normal condition, any data would be required
Flammability	incombustible	
Lower explosive limit	not applicable	Reason for missing data:any explosive substances in mixture
Upper explosive limit	not applicable	Reason for missing data:any explosive

**SCALA DISGORGANTE CON CANDEGGINA**

Flash point	> 60 °C	substances in mixture
Auto-ignition temperature	not applicable	Reason for missing data:if the product is used and stored in normal condition, any data would be required
Decomposition temperature	not applicable	
pH	12,5	
Kinematic viscosity	not available	
Dynamic viscosity	400 cps	
Solubility	soluble	
Partition coefficient: n-octanol/water	not applicable	Reason for missing data:non applicabile (miscela)
Vapour pressure	not available	
Density and/or relative density	1,08 g/cm ³	
Relative vapour density	not applicable	
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

Evaporation rate	not applicable
Total solids (250°C / 482°F)	10,04 %
VOC (Directive 2010/75/EU)	< 0.01 % - < 0.01 g/litre
Explosive properties	non determinato perchè non classificato come esplosivo
Oxidising properties	Non applicabile, non contiene sostanze ossidanti.

SECTION 10. Stability and reactivity**10.1. Reactivity**

Information not available

10.2. Chemical stability

Information not available

10.3. Possibility of hazardous reactions

Contact with strong acids causes the development of toxic gases.

SODIUM HYPOCHLORITE, SOLUTION 18 % Cl ACTIVE

Contact with strong acids liberates chlorine and chlorine dioxide based gas. Free hydrogen in reaction with metals.



10.4. Conditions to avoid

SODIUM HYDROXIDE

Avoid exposure to: air,moisture,sources of heat.

10.5. Incompatible materials

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

Strong acids. Metals.

SODIUM HYDROXIDE

Incompatible with: strong acids,ammonia,zinc,lead,aluminium,water,flammable liquids.

10.6. Hazardous decomposition products

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

Chlorine. Sodium chlorate. Hypochlorous acid. 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

SODIUM HYDROXIDE

A contatto con la pelle umana, a concentrazioni non irritanti, il passaggio degli ioni è lieve e l'assorbimento difficile.

Information on likely routes of exposure

Information not available

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

Information not available

Interactive effects**SODIUM HYDROXIDE**

Dati non disponibili. Non esistono studi attendibili e non sono stati generati nuovi studi in accordo al Regolamento REACH in quanto la sostanza è classificata come corrosiva. Inoltre, la sostanza non dovrebbe essere disponibile a livello sistemico e gli effetti dovrebbero essere causa di variazioni di pH

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	>2000 mg/kg
ATE (Dermal) of the mixture:	Not classified (no significant component)

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

LD50 (Oral):	1100 mg/kg
LD50 (Dermal):	> 20000 mg/kg
LC50 (Inhalation vapours):	10,5 mg/l/1h

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

LD50 (Oral):	846 mg/kg
LD50 (Dermal):	> 2000 mg/kg specie: ratto

SODIUM HYDROXIDE

LD50 (Oral):	325 mg/kg
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POTASSIUM LAURATE

LD50 (Oral):	> 2000 mg/kg
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AMMINA C12-C18 ALCHIL DIMETIL

LD50 (Oral):	1000 mg/kg
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SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

Method: equivalent or similar to OECD 401

Reliability (Klimisch score): 2

Species: Rat (Wistar; male)

Routes of exposure: oral

Results: LD50 = 1100 mg / kg bw (12.5% solution of Cl)

Method: equivalent or similar to OECD 403

Reliability (Klimisch score): 2

Species: Rat (Albino; male)

Routes of exposure: inhalation (vapors)

Results: LD50 > 10.5 mg / L air

**SCALA DISGORGANTE CON CANDEGGINA**

Method: equivalent or similar to OECD 402
Reliability (Klimisch score): 2
Species: Rabbit (Albino; male / female)
Routes of exposure: cutaneous
Results: LD50> 20000 mg / kg bw.

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

Method: OECD 401
Reliability (Klimisch score): 1
Species: rat (Wistar; male / female)
Route of Exposure: oral
Results: LD50 846 mg / kg
Method: OECD 402
Reliability (Klimisch score): 1
Species: rat (CD / CrI: CD (SD); male / female)
Route of exposure: dermal
Results: LD50> 2000 mg / kg

SKIN CORROSION / IRRITATION

Corrosive for the skin

Classification according to the experimental Ph value

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

Causes severe skin burns (Harmonized Classification, Annex VI, CLP Reg. - note B)

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

Method: OECD 404
Reliability (Klimisch score): 1
Species: rabbit (New Zealand White)
Results: irritant

SODIUM HYDROXIDE

La sostanza causa ustioni chimiche la cui gravità è funzione della concentrazione della soluzione, dell'importanza della contaminazione e della durata del contatto. A seconda della profondità del danno si osserva eritema caldo e doloroso, flittene e necrosi. L'evoluzione si può complicare con infezioni, sequele estetiche o funzionali.

Test in vitro (tessuto testato: pelle, Membrane Barrier)
Metodo simile o equivalente alla OECD 435
Risultati: Corrosivo

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

**SCALA DISGORGANTE CON CANDEGGINA**

Causes serious eye damage (Harmonized Classification, Annex VI, CLP Regulation - note B).

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

Method: OECD 405

Reliability (Klimisch score): 2

Species: rabbit (New Zealand White)

Results: serious eye damage, category 1

SODIUM HYDROXIDE

La sostanza causa ustioni chimiche la cui gravità è funzione della concentrazione della soluzione, dell'importanza della contaminazione e della durata del contatto. A livello oculare si ha dolore immediato, lacrimazione ed iperemia congiuntivale. Si possono avere sequele quali: aderenze congiuntivali, opacità corneali, cataratta, glaucoma ed anche cecità.

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

Method: equivalent or similar to OECD 406

Reliability (Klimisch score): 2

Species: Guinea pig (Dunkin-Hartley; male / female)

Routes of exposure: cutaneous

Results: NON sensitizing (40% v / v aqueous solution).

SODIUM HYDROXIDE

L' inalazione di sostanza può causare una sindrome di Brooks (asma indotta da irritanti).

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

Method: OECD 406, in vivo, read-across

Reliability (Klimisch score): 2

Species: guinea pig (Dunkin-Hartley; male / female)

Results: non-sensitizing

SODIUM HYDROXIDE

Affidabilità (Klimisch score): 2

Specie: uomo

Risultati: non sensibilizzante per la pelle.

Test: Patch test.

Tempo di esposizione: 24 ore.

Riferimento bibliografico: Park et al. (1995).

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

**SCALA DISGORGANTE CON CANDEGGINA****SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE**

Method: OECD 471 - In vitro test

Reliability (Klimisch score): 1

Species: bacteria (Salmonella typhimurium: TA98, TA100, TA102)

Results: Negative test

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

Method: OECD 471, IN VITRO

Reliability (Klimisch score): 1

Species: S. typhimurium TA 1535, TA 1537, TA 98, TA 1538

Results: negative with and without metabolic activation

Method: no guidelines

Reliability (Klimisch score): 1

Species: mouse (ICR; male / female)

Route of Exposure: oral

Results: negative

SODIUM HYDROXIDE

Studi in vitro e in vivo indicano che l'idrossido di sodio non è genotossico.

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

Based on the available data, the substance has no carcinogenic effects and is not classified under the CLP hazard class of carcinogenicity.

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

Based on the available data, the substance has no carcinogenic effects and is not classified under the CLP hazard class of carcinogenicity.

SODIUM HYDROXIDE

A dated study (1976) on workers with chronic exposure to caustic soda did not observe any relationship between neoplasia and duration or intensity of exposure.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

Method: Equivalent or similar to OECD Guideline 415

Reliability (Klimisch score): 1

Species: Long-Evans rat, male / female



Routes of exposure: Oral
Results: No adverse effects observed
NO (A) EL
Male parent ≥ 5.0 mg / kg bw / day
Female parent ≥ 5.0 mg / kg bw / day
F1 male ≥ 5.0 mg / kg bw / day
F1 female ≥ 5.0 mg / kg bw / day

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

Method: OECD 422
Reliability (Klimisch score): 1
Species: rat (Sprague-Dawley; male / female)
Route of Exposure: oral
Results: NOAEL 100 mg / kg bw / day reproductive toxicity

SODIUM HYDROXIDE

Non sono disponibili dati. La sostanza non presenta tossicità sistemica e gli effetti sulla riproduzione non sembrano plausibili nelle normali condizioni d'uso.

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

Method: Equivalent or similar to OECD Guideline 414
Reliability (Klimisch score): 1
Species: Sprague-Dawley maschio rat / female
Routes of exposure: oral
Results: NOAEL (teratogenesis):> = 5.7 mg / kg bw / day

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

Method: EPA OTS 798.4900, read-across
Reliability (Klimisch score): 1
Species: rat (Sprague-Dawley)
Route of Exposure: oral
Results: NOAEL 25 mg / kg bw / day maternal toxicity

SODIUM HYDROXIDE

No data are available. The substance has no systemic toxicity and effects on reproduction they do not seem plausible under normal conditions of use.

SODIUM HYDROXIDE

Dato non disponibile.

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

In base ai dati disponibili, la sostanza non presenta effetti di tossicità specifica per organi bersaglio per esposizione ripetuta e non è classificata sotto la relativa classe di pericolo CLP.

**SCALA DISGORGANTE CON CANDEGGINA****AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES**

In base ai dati disponibili, la sostanza non presenta effetti di tossicità specifica per organi bersaglio per esposizione ripetuta e non è classificata sotto la relativa classe di pericolo CLP.

SODIUM HYDROXIDE

L'inalazione dei vapori o di aerosol provoca immediatamente: rinorrea, starnuti, sensazione di bruciore nasale e faringeo, tosse, dispnea e dolore toracico. Complicanze sono edema laringeo o un broncospasmo. Al termine dell'esposizione la sintomatologia può regredire, ma si può anche avere edema polmonare ritardato, entro le 48 ore.

La sostanza è corrosiva e l'ingestione di una soluzione concentrata di idrossido di sodio provoca dolori alla cavità orale, retrosternali e a carico della regione epigastrica associati a bava e, vomito frequente con tracce di sangue, perforazione esofagica o gastrica.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE

Metodo: OECD 408

Affidabilità (Klimisch score):1

Specie: ratto (Sprague-Dawley; maschio/femmina)

Via di Esposizione: orale

Risultati: NOAEL > 1100 mg/kg bw/day

Metodo: no linee guida

Affidabilità (Klimisch score):2

Specie: coniglio (New Zealand White; maschio/femmina)

Via di Esposizione: cutanea

Risultati: 12,4 mg/kg bw/day

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

Method: OECD 408, read-across

Reliability (Klimisch score): 2

Species: rat (Sprague-Dawley; male / female)

Route of Exposure: oral

Results: NOAEL 88 mg / kg bw / day

SODIUM HYDROXIDE

A seguito di esposizione occupazionale per via inalatoria in letteratura è riportato un caso di patologia ostruttiva grave con tosse, dispnea e tachipnea dopo 20 anni di esposizione.

L'esposizione cutanea a lungo termine può provocare dermatiti.

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

**SCALA DISGORGANTE CON CANDEGGINA****SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE**

There are no data available for hazards in case of aspiration.

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

There are no data available for hazards in case of aspiration.

SODIUM HYDROXIDE

Dato non disponibile.

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 highly toxic for aquatic organisms.

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**SODIUM HYPOCHLORITE, SOLUTION 18 % CI ACTIVE**

LC50 - for Fish	0,032 mg/l/96h Coho salmon; no linee guida
EC50 - for Crustacea	0,035 mg/l/48h Ceriodaphnia dubia; OECD 202
EC50 - for Algae / Aquatic Plants	0,036 mg/l/72h Pseudokirchneriella subcapitata; OECD 201
EC10 for Algae / Aquatic Plants	0,0062 mg/l/72h
Chronic NOEC for Fish	0,04 mg/l Menidia peninsulæ; no linee guida
Chronic NOEC for Crustacea	0,007 mg/l/15d

POTASSIUM LAURATE

LC50 - for Fish	> 1 mg/l/96h PESCE
EC50 - for Crustacea	> 1 mg/l/48h DAFNIA
EC50 - for Algae / Aquatic Plants	> 1 mg/l/72h ALGA

AMINES, C12-18(EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

LC50 - for Fish	1,26 mg/l/96h Brachydanio rerio. OECD guideline 203
EC50 - for Crustacea	2,4 mg/l/48h Daphnia magna. OECD 202
EC50 - for Algae / Aquatic Plants	0,24 mg/l/72h Desmodesmus subspicatus; OECD 201
Chronic NOEC for Fish	0,42 mg/l/302d Pimephales promelas; EPA OPPTS 850.1500
Chronic NOEC for Crustacea	0,7 mg/l/21d Daphnia Magna; OECD 211; read-across
Chronic NOEC for Algae / Aquatic Plants	0,075 mg/l/72h Desmodesmus subspicatus; OECD 201

SODIUM HYDROXIDE



LC50 - for Fish 125 mg/l/96h Gambusia affinis; EU, 2007; OECD, 2002

EC50 - for Crustacea 40 mg/l/48h Ceriodaphnia sp.; EU, 2007; OECD, 2002

AMMINA C12-C18 ALCHIL DIMETIL

EC50 - for Crustacea 56 ug/l/48h

EC50 - for Algae / Aquatic Plants 9,9 ug/l/72h

Chronic NOEC for Fish 26 ug/l

Chronic NOEC for Crustacea 36 ug/l

12.2. Persistence and degradability

SODIUM HYDROXIDE

Idrolisi: Studio non necessario. Nell'acqua (compreso il terreno o l'acqua dei pori dei sedimenti), NaOH è presente come ione sodio (Na +) e ione idrossile (OH-), poiché il NaOH solido si dissolve rapidamente e successivamente si dissocia in acqua.

Degradabilità: lo studio non è applicabile in quanto la sostanza è inorganica.

SODIUM HYPOCHLORITE, SOLUTION 18

% Cl ACTIVE

Solubility in water 1000000 mg/l

Degradability: information not available

POTASSIUM LAURATE

Rapidly degradable

AMINES, C12-18(EVEN NUMBERED)- ALKYLDIMETHYL, N-OXIDES

Solubility in water 313200 mg/l

Rapidly degradable

80% in 28d; ISO 14593

SODIUM HYDROXIDE

Solubility in water 10000 mg/l

Degradability: information not available

12.3. Bioaccumulative potential

SODIUM HYPOCHLORITE, SOLUTION 18

% Cl ACTIVE

Partition coefficient: n-octanol/water -3,42 Log Kow 20°C; QSAR

AMINES, C12-18(EVEN NUMBERED)- ALKYLDIMETHYL, N-OXIDES

Partition coefficient: n-octanol/water 2,7 Log Kow 20°C;

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

**SCALA DISGORGANTE CON CANDEGGINA**

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**

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: 3266

14.2. UN proper shipping name

ADR / RID: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. MIXTURE

IMDG: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. MIXTURE

IATA: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. MIXTURE

14.3. Transport hazard class(es)

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8

**14.4. Packing group**

ADR / RID, IMDG, IATA: II

**SCALA DISGORGANTE CON CANDEGGINA****14.5. Environmental hazards**

ADR / RID: Environmentally Hazardous

IMDG: Marine Pollutant

IATA: NO



For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 80

Limited
Quantities: 1
LTunnel
restriction
code: (E)

IMDG: Special provision: -

IMDG: EMS: F-A, S-B

Limited
Quantities: 1
L

IATA: Cargo:

Maximum
quantity: 30 LPackaging
instructions:
855

Pass.:

Maximum
quantity: 1 LPackaging
instructions:
851

Special provision:

A3, A803

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: E1

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

Point 3

Contained substancePoint 75 2-
FENOSIETANOLO
REACH Reg.: 01-
2119488943-21Point 75 SODIUM
HYDROXIDE REACH
Reg.: 01-

**SCALA DISGORGANTE CON CANDEGGINA**

2119457892-27

Point	75	SODIUM HYPOCHLORITE, SOLUTION 18 % Cl ACTIVE REACH Reg.: 01- 2119488154-34
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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 \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

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.

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.

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances

SODIUM HYPOCHLORITE, SOLUTION 18 % Cl ACTIVE

**SECTION 16. Other information**

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

Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion, category 1A
Skin Corr. 1B	Skin corrosion, category 1B
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 Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H290	May be corrosive to metals.
H302	Harmful if swallowed.
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.
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.
EUH031	Contact with acids liberates toxic gas.
EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).

Use descriptor system:

PC **35** Washing and cleaning products

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 (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
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 15. Regulation (EU) 2019/521 (XII Atp. CLP)
 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
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 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
 21. Delegated Regulation (UE) 2021/849 (XVII 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:

02 / 03.