Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

SAFETY DATA SHEET

Cif Professional Concentrated Multipurpose Disinfectant Cleaner

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

1.1 Product identifier

Product name	:	Cif Professional Concentrated Multipurpose Disinfectant Cleaner
Product code	:	200000286429;64906005
Product description	:	Hygienic cleaner
Product type	:	liquid
UFI code	:	UFI available on CLP label when applicable
Nanomaterials	:	None

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

Identified uses
Hygienic cleaner Professional uses

Uses advised against	**Reason**
Not applicable.	-

1.3 Details of the supplier of the safety data sheet

Unilever UK Ltd

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Kingston upon Thames
UNITED KINGDOM
KT1 2BA
0800 776646/Eire 1800545555
-

e-mail address of person responsible for this SDS	:	unileversds@unileverconsumerlink.co.uk

National contact

Not available.

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number : Not applicable

Supplier

Telephone number : 0800 776646/Eire 1800545555
Hours of operation : -
Information limitations : Not available.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Corr. 1, H314
Eye Dam. 1, H318
Aquatic Acute 1, H400
Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity : Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 0 %
Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 0 %
Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 0 %

Ingredients of unknown ecotoxicity : Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 0 %

See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :

Signal word : Danger
Hazard statements : H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

General : P102 Keep out of reach of children.
Prevention : P234 Keep only in original packaging.
P280 Wear protective gloves and eye/face protection.
P273 Avoid release to the environment.

Response	:	P301 IF SWALLOWED: P310 Immediately call a POISON CENTER or doctor/physician. P330 Rinse mouth. P331 Do NOT induce vomiting. P303 IF ON SKIN (or hair): P361 Take off immediately all contaminated clothing. P353 Rinse skin with water [or shower]. P305 IF IN EYES: P351 Rinse cautiously with water for several minutes. P338 Remove contact lenses, if present and easy to do. Continue rinsing. P391 Collect spillage.
Storage	:	Not applicable.
Disposal	:	P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.
Contains	:	Undeceth-10 Dicapryl/Dicaprylyl Dimonium Chloride Decylamine Oxide Etidronic Acid
Supplemental label elements	:	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
Special packaging requirements		
Containers to be fitted with child-resistant fastenings	:	Yes, applicable.
Tactile warning of danger	:	Yes, applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	:	None known.

SECTION 3: Composition/information on ingredients

3.1 Substances	:	Not applicable
3.2 Mixtures	:	Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type

Citric acid	RRN : 01-2119457026-42 EC : 201-069-1 CAS : 77-92-9 Index: 607-750-00-3	>= 10 - < 20	Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation)	-	[1]
Undeceth-10	 EC : 603-182-5 CAS : 127036-24-2	> 0 - <= 10	Acute Tox. 4, H302 Eye Dam. 1, H318	ATE [Oral] = 828 mg/kg	[1]
Dicapryl/Dicaprylyl Dimonium Chloride	RRN : 01-2120769330-57 EC : 270-331-5 CAS : 68424-95-3	> 0 - <= 7.2	Acute Tox. 3, H301 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	ATE [Oral] = 238 mg/kg M [Acute] = 10	[1]
Sodium benzoate	RRN : 01-2119460683-35 EC : 208-534-8 CAS : 532-32-1	> 0 - <= 5	Eye Irrit. 2, H319	-	[1]
Decylamine Oxide	RRN : 01-2119959297-22 EC : 220-020-5 CAS : 2605-79-0	> 0 - <= 3.6	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	ATE [Oral] = 1,000 mg/kg M [Acute] = 1	[1]
Etidronic Acid	RRN : 01-2119510391-53 EC : 220-552-8 CAS : 2809-21-4	> 0 - <= 3	Met. Corr. 1, H290 Acute Tox. 4, H302 Eye Dam. 1, H318	ATE [Oral] = 1,878 mg/kg	[1]
Ethanol	RRN : 01-2119457610-43 EC : 200-578-6 CAS : 64-17-5	> 0 - <= 1	Flam. Liq. 2, H225 FLAMMABLE LIQUIDS Eye Irrit. 2, H319	-	[1] [2]
Dimethyldecylamine	RRN : 01-2119485519-23 EC : 214-302-7 CAS : 1120-24-7	> 0 - < 0.1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 698 mg/kg M [Acute] = 10 M [Chronic] = 1	[1]
Hydrogen Peroxide	RRN : 01-2119485845-22 EC : 231-765-0 CAS : 7722-84-1 Index: 008-003-00-9	> 0 - <= 0.1	Ox. Liq. 1, H271 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 (Respiratory tract irritation) Aquatic Chronic 3, H412	Ox. Liq. 1, H271: >= 70 % Ox. Liq. 2, H272: 50 - < 70 % ATE [Oral] = 694 mg/kg ATE [Inhalation (vapours)] = 11 mg/l Skin Corr. 1A, H314: >= 70 % Skin Corr. 1B, H314: 50 - < 70 % Skin Irrit. 2, H315: 35 - < 50 % Eye Dam. 1, H318: >= 8 % Eye Irrit. 2, H319: 5 - < 8 % STOT SE 3, H335: >= 35 %	[1] [2]

See Section 16 for the full text of the H statements declared above.
There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type
[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing

aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	:	Causes serious eye damage.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	Causes severe burns.
Ingestion	:	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	Adverse symptoms may include the following: pain, watering, redness
Inhalation	:	None known.
Skin contact	:	Adverse symptoms may include the following: pain or irritation, redness, blistering may occur
Ingestion	:	Adverse symptoms may include the following: stomach pains

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	:	In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	:	Not relevant for these kind of mixtures

5.3 Advice for firefighters

Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

6.4 Reference to other sections

: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during

normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Seveso Directive - Reporting thresholds

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
E1	100 t	200 t

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Ethanol	**EH40/2005 WELs (1997-01-01).** TWA 1,920 mg/m3 1,000 ppm
Hydrogen Peroxide	**EH40/2005 WELs (1997-01-01).** STEL 2.8 mg/m3 2 ppm TWA 1.4 mg/m3 1 ppm

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Product/ingredient name	Type	Exposure	Value	Population	Effects
Sodium benzoate	DNEL	Long term Inhalation	3 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	100 µg/m³	Workers	Local
	DNEL	Long term Dermal	62.5 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.5 mg/m³	General population	Systemic
	DNEL	Short term Inhalation	60 µg/m³	General population	Local
	DNEL	Long term Dermal	31.25 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	16.6 mg/kg bw/day	General population	Systemic
Decylamine Oxide	DNEL	Long term Inhalation	6.2 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.53 mg/m³	General population	Systemic
	DNEL	Long term Dermal	5.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	440 µg/kg bw/day	General population	Systemic
Etidronic Acid	DNEL	Long term Inhalation	12 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	34 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	2.95 mg/m³	General population	Systemic
	DNEL	Long term Dermal	17 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	1.7 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	1.7 mg/kg bw/day	General population	Systemic
Ethanol	DNEL	Long term Inhalation	380 mg/m³	Workers	Systemic

	DNEL	Short term Inhalation	1900 mg/m³	Workers	Local
	DNEL	Long term Dermal	343 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	114 mg/m³	General population	Systemic
	DNEL	Short term Inhalation	950 mg/m³	General population	Local
	DNEL	Long term Dermal	206 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	87 mg/kg bw/day	General population	Systemic
Dimethyldecylamine	DNEL	Long term Oral	0.5 mg/kg bw/day	General population	Systemic
Hydrogen Peroxide	DNEL	Long term Inhalation	1.4 mg/m³	Workers	Local
	DNEL	Short term Inhalation	3 mg/m³	Workers	Local
	DNEL	Long term Inhalation	210 µg/m³	General population	Local
	DNEL	Short term Inhalation	1.93 mg/m³	General population	Local

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Product/ingredient name	Type	Compartment Detail	Value	Method Detail
Sodium benzoate	PNEC	Fresh water	581 µg/l	-
	PNEC	Freshwater - intermittent	58.1 µg/l	-
	PNEC	Marine water	58.1 µg/l	-
	PNEC	Marine water - intermittent	5.81 ng/l	-
	PNEC	Sewage Treatment Plant	10 mg/l	-
	PNEC	Fresh water sediment	2.5 mg/kg	-
	PNEC	Marine water sediment	50 µg/kg	-
	PNEC	Soil	158.7 µg/kg	-
	PNEC	Secondary Poisoning	300 mg/kg	-
Decylamine Oxide	PNEC	Fresh water	33.5 µg/l	-
	PNEC	Freshwater - intermittent	33.5 µg/l	-
	PNEC	Marine water	3.35 µg/l	-
	PNEC	Marine water - intermittent	3.35 µg/l	-
	PNEC	Sewage Treatment Plant	4.59 mg/l	-
	PNEC	Fresh water sediment	5.24 mg/kg	-
	PNEC	Marine water sediment	524 µg/kg	-
	PNEC	Soil	1.02 mg/kg	-

	PNEC	Secondary Poisoning	11.1 mg/kg	-
Etidronic Acid	PNEC	Fresh water	68 µg/l	-
	PNEC	Marine water	6.8 µg/l	-
	PNEC	Sewage Treatment Plant	40 mg/l	-
	PNEC	Fresh water sediment	136 mg/kg	-
	PNEC	Marine water sediment	13.6 mg/kg	-
	PNEC	Soil	10 mg/kg	-
	PNEC	Secondary Poisoning	3.7 mg/kg	-
Ethanol	PNEC	Fresh water	960 µg/l	-
	PNEC	Freshwater - intermittent	2.75 mg/l	-
	PNEC	Marine water	790 µg/l	-
	PNEC	Sewage Treatment Plant	580 mg/l	-
	PNEC	Fresh water sediment	3.6 mg/kg	-
	PNEC	Marine water sediment	2.9 mg/kg	-
	PNEC	Soil	630 µg/kg	-
	PNEC	Secondary Poisoning	720 mg/kg	-
Hydrogen Peroxide	PNEC	Fresh water	12.6 µg/l	-
	PNEC	Freshwater - intermittent	13.8 µg/l	-
	PNEC	Marine water	12.6 µg/l	-
	PNEC	Sewage Treatment Plant	4.66 mg/l	-
	PNEC	Fresh water sediment	47 µg/kg	-
	PNEC	Marine water sediment	47 µg/kg	-
	PNEC	Soil	2.3 µg/kg	-

8.2 Exposure controls

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical

splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. 1 - 4 hours (breakthrough time): 120 µm nitrile rubber
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	liquid
Color	:	Purple.
Odor	:	Characteristic.
Odor threshold	:	Not available.
Melting point/freezing point	:	Under normal conditions, melting point/freezing point will not be observed
Initial boiling point and boiling range	:	> 100 °C (> 212 °F)
Flammability	:	Non-flammable.
Lower and upper explosion limit	:	**Lower:** Based on available data, the classification criteria are not met. **Upper:** Based on available data, the classification criteria are not met.

Flash point	:	Non-flammable.
Auto-ignition temperature	:	Not flammable
Decomposition temperature	:	Not available.
pH	:	1.9 [Conc. (% w/w): 1,000 g/l]
Viscosity	:	**Dynamic :** Not available. **Kinematic :** Not relevant for these kind of mixtures
Solubility in water	:	Soluble
Partition coefficient: n-octanol/water	:	Not applicable for mixtures
Vapor pressure	:	Not relevant for these kind of mixtures
Relative density	:	1.107 @ 20 °C (68 °F)
Density	:	1.1070 g/cm3
Bulk density	:	Not available.
Vapor density	:	Not relevant for these kind of mixtures

Particle characteristics

Median particle size	:	Not applicable.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Heat of combustion	:	Not relevant for these kind of mixtures
Explosive properties	:	Mixture does not have explosive properties.
Oxidizing properties	:	Based on available data, the classification criteria are not met.

Aerosol product

Type of aerosol	:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	None known.

10.5 Incompatible materials : Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials: alkalis

10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Undeceth-10				
	LD50 Oral	Rat - Female	828 mg/kg Value based on supplier test data.	-
Dicapryl/Dicaprylyl Dimonium Chloride				
	LD50 Oral	Rat	238 mg/kg OECD 401 Acute Oral Toxicity	-
Decylamine Oxide				
	LD50 Oral	Rat	1,000 mg/kg OECD 423 Acute Oral toxicity - Acute Toxic Class Method	-
Etidronic Acid				
	LD50 Oral	Rat	1,878 mg/kg OECD 401 Acute Oral Toxicity	-
Dimethyldecylamine				
	LD50 Oral	Rat	698 mg/kg Value based on literature test data.	-
Hydrogen Peroxide				
	LD50 Oral	Rat - Female	694 mg/kg OECD 401 Acute Oral Toxicity	-

Conclusion/Summary : Based on available data, the classification criteria are not met.

Acute toxicity estimates

Product/ingredient name	Oral	Dermal	Inhalation (gases)	Inhalation (vapors)	Inhalation (dusts and mists)
Cif Professional Concentrated Multipurpose Disinfectant Cleaner	> 2000 mg/kg	> 2000 mg/kg	> 20000 ppm	> 20 mg/l	> 5 mg/l

Irritation/Corrosion

Conclusion/Summary

Skin : Causes severe skin burns and eye damage.

Eyes : Causes serious eye damage.

Respiratory : Non-irritating to the respiratory system.

Sensitization

Conclusion/Summary

Skin : Not sensitizing

Respiratory : Not sensitizing

Mutagenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Carcinogenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Reproductive toxicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Teratogenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Citric acid	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes severe burns.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following: pain, watering, redness

Inhalation : None known.

Skin contact	:	Adverse symptoms may include the following: pain or irritation, redness, blistering may occur
Ingestion	:	Adverse symptoms may include the following: stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects	:	No known significant effects or critical hazards.
Potential delayed effects	:	No known significant effects or critical hazards.

Long term exposure

Potential immediate effects	:	No known significant effects or critical hazards.
Potential delayed effects	:	No known significant effects or critical hazards.

Potential chronic health effects

Conclusion/Summary	:	Based on available data, the classification criteria are not met.
General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity	:	No known significant effects or critical hazards.

11.2. Information on other hazards

11.2.1 Endocrine disrupting properties	:	The substance/mixture does not contain components with known endocrine-disrupting properties according to REACH Article 57(f) or the Delegated Regulation of the Commission (EU) 2017/2100 or Commission regulation (EU) 2018/605 at a level 0.1% or higher.
11.2.2 Other information	:	None known

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary	:	Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Conclusion/Summary	:	The surfactants used in this mixture are readily biodegradable.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.

12.3 Bioaccumulative potential

The mixture is free from substances with potential for bioaccumulation

12.4 Mobility in soil

Soil/water partition coefficient (KOC)	:	Not available.
Mobility	:	Mixture is highly soluble

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties	:	The substance/mixture does not contain components with known endocrine-disrupting properties according to REACH Article 57(f) or the Delegated Regulation of the Commission (EU) 2017/2100 or Commission regulation (EU) 2018/605 at a level 0.1% or higher.
12.7 Other adverse effects	:	The substances used in this mixture are neither a PBT- or a vPvB substance

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal	:	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	:	The classification of the product may meet the criteria for a hazardous waste.

European waste catalogue (EWC)

Waste code	Waste designation
20 01 29*	detergents containing hazardous substances

Packaging

Methods of disposal	:	The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	European waste catalogue (EWC)	
Bottle	15 01 02	plastic packaging

Special precautions	:	This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may

retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	UN3265	UN3265	UN3265	UN3265
14.2 UN proper shipping name	8	8	8	8
14.3 Transport hazard class(es)	Corrosive liquid, acidic, organic, n.o.s. (Dialkyldimethylammonium chloride)	Corrosive liquid, acidic, organic, n.o.s. (Dialkyldimethylammonium chloride)	Corrosive liquid, acidic, organic, n.o.s. (Dialkyldimethylammonium chloride Marine Pollutant Solution)	Corrosive liquid, acidic, organic, n.o.s. (Dialkyldimethylammonium chloride)
14.4 Packing group	II	II	II	II
14.5. Environmental hazards	Yes.	Yes.	Yes.	Yes.

ADR/RID : **Tunnel code** (E)

14.6 Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

No listed substance

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air	:	Not listed
Industrial emissions (integrated pollution prevention and control) - Water	:	Not listed
Explosive precursors	:	Not applicable.

Ozone depleting substances (1005/2009/EU)

None of the components are listed.

Prior Informed Consent (PIC) (649/2012/EU)

None of the components are listed.

Persistent Organic Pollutants

None of the components are listed.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category
E1

National regulations

Remark	:	No additional remark.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Chemical Weapons Convention List Schedule I Chemicals

None of the components are listed.

Chemical Weapons Convention List Schedule II Chemicals

None of the components are listed.

Chemical Weapons Convention List Schedule III Chemicals

None of the components are listed.

Montreal Protocol

None of the components are listed.

Stockholm Convention on Persistent Organic Pollutants

Annex A - Elimination - Production

None of the components are listed.

Annex A - Elimination - Use

None of the components are listed.

Annex B - Restriction - Production

None of the components are listed.

Annex B - Restriction - Use
None of the components are listed.

Annex C - Unintentional - Production
None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Rotterdam Convention on Prior Informed Consent (PIC) - Industrial
None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide
None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC) -Severely hazardous pesticide
None of the components are listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Heavy metals - Annex 1
None of the components are listed.

POPs - Annex 1 - Production
None of the components are listed.

POPs - Annex 1 - Use
None of the components are listed.

POPs - Annex 2
None of the components are listed.

POPs - Annex 3
None of the components are listed.

Inventory list

Australia	:	Not determined.
Canada	:	Not determined.
China	:	Not determined.
Eurasian Economic Union	:	**Russian Federation inventory:** Not determined.
Japan	:	**Japan inventory (CSCL)**: Not determined. **Japan inventory (ISHL)**: Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined.
Thailand	:	Not determined.
Turkey	:	Not determined.
United States	:	Not determined.
Viet Nam	:	Not determined.

15.2 Chemical Safety Assessment : Not applicable

SECTION 16: Other information

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin Corr. 1, H314	On basis of test data
Eye Dam. 1, H318	On basis of test data
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H225	Highly flammable liquid and vapor.
H271	May cause fire or explosion; strong oxidizer.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
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.
H412	Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	AQUATIC HAZARD (ACUTE) - Category 1
Aquatic Chronic 1	AQUATIC HAZARD (LONG-TERM) - Category 1
Aquatic Chronic 2	AQUATIC HAZARD (LONG-TERM) - Category 2
Aquatic Chronic 3	AQUATIC HAZARD (LONG-TERM) - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Met. Corr. 1	CORROSIVE TO METALS - Category 1
Ox. Liq. 1	OXIDIZING LIQUIDS - Category 1
Skin Corr. 1	SKIN CORROSION/IRRITATION - Category 1
Skin Corr. 1A	SKIN CORROSION/IRRITATION - Category 1A

Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3

Training advice : Workers who work with the product regularly and new employees must undergo regular training or introductory training on risks and prevention and how to behave so as not to endanger themselves and others. The scope of the training cycle is determined by the employer in accordance with local regulations.

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