

CERT PROGRESS DESINFECTANT

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : CERT PROGRESS DESINFECTANT

Product code : 203090

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

DISINFECTANT DETERGENT - HYGIENE AND DISINFECTION

MAINTENANCE OF SURFACES

TP 4: Disinfectant for surfaces in contact with food and feed

TP2 : Disinfectants for surfaces, materials, equipment and furniture without direct contact with food or feed

Main use category : Product for professional use.

Additional Information : The product should not be used for applications other than those described in this safety data sheet or in the technical documents for the product.

1.3. Details of the supplier of the safety data sheet

IPC

10 Quai Malbert, 29200, BREST, FRANCE.

Tel. : +33 (0)2 98 43 45 44. Fax : +33 (0)2 98 44 22 53

ipc@groupe-ipc.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

Other emergency numbers

European emergency call number : 112

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Flammable liquid, Category 3 (Flam. Liq. 3, H226).

Skin corrosion, Category 1C (Skin Corr. 1C, H314).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Biocidal detergent mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS02



GHS05

Signal Word :

DANGER

Product identifiers :

EC 201-196-2 ACIDE LACTIQUE

Hazard statements :

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

Precautionary statements - Prevention :

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves, protective clothing, eye protection and face protection.

CERT PROGRESS DESINFECTANT

Precautionary statements - Response :

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].
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 or a doctor.

Precautionary statements - Disposal :

P501 Dispose of contents and container to approved waste disposal facility in accordance with national regulations.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European CHemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	Classification (EC) 1272/2008	Note	%
INDEX: 1078 CAS: 79-33-4 EC: 201-196-2 REACH: 01-2119474164-39-XXXX ACIDE LACTIQUE	GHS05 Dgr Skin Corr. 1C, H314 Eye Dam. 1, H318 EUH:071		25 \leq x % < 50
INDEX: 0692 CAS: 73296-89-6 EC: 277-362-3 REACH: 01-2119489464-26-XXXX SULFURIC ACID, MONO-C12-16-ALKYL ESTERS, SODIUM SALTS	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412		2.5 \leq x % < 10
INDEX: 603_002_00_5 CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX ETHANOL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1]	2.5 \leq x % < 10
INDEX: 1393 CAS: 99-85-4 EC: 202-794-6 P-MENTHA-1,4-DIENE	GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Repr. 2, H361	[2]	0 \leq x % < 0.5

Specific concentration limits:

Identification	Specific concentration limits	ATE
INDEX: 1078 CAS: 79-33-4 EC: 201-196-2 REACH: 01-2119474164-39-XXXX ACIDE LACTIQUE		oral: ATE = 3543 mg/kg BW
INDEX: 0692 CAS: 73296-89-6 EC: 277-362-3 REACH: 01-2119489464-26-XXXX SULFURIC ACID, MONO-C12-16-ALKYL ESTERS, SODIUM SALTS	Eye Dam. 1: H318 C \geq 20% Eye Irrit. 2: H319 10% \leq C < 20%	

CERT PROGRESS DESINFECTANT

INDEX: 603_002_00_5 CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX		inhalation: ATE = 117 mg/l 4h (vapours) oral: ATE = 10470 mg/kg BW
ETHANOL INDEX: 1393 CAS: 99-85-4 EC: 202-794-6		oral: ATE = 3850 mg/kg BW
P-MENTHA-1,4-DIENE		

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

Keep the packaging with the label and/or the instructions available.

4.1. description of first aid measures

In case of disturbances of consciousness, place the subject in the lateral safety position (lying on his side); call 112.

In the event of exposure by inhalation :

To be translated (XML)

In the event of splashes or contact with eyes :

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

N/A

Remove contact lenses, if present and easy to do. Continue rinsing.

In the event of splashes or contact with skin :

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

N/A

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

After contact with the skin : N/A

After contact with the eyes : Causes serious eye damage, permanent damage if product is not disposed of quickly. Even small splashes in the eyes can cause irreversible tissue damage and blindness. Symptoms: redness, tearing, swelling of tissues, burning.

If swallowed : N/A

In case of inhalation : May release particles, dust, vapours, mists, highly irritating or corrosive to the respiratory system.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist

CERT PROGRESS DESINFECTANT

- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

Do not use pressurized water jet may disperse and spread the fire.

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- sulphur dioxide (SO₂)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

Fire residues and contaminated extinguishing water must be disposed of according to local regulations in force.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid any contact with the skin and eyes.

Keep bystanders out of danger

If quantities are large, evacuate personnel using only trained operators equipped with protective equipment.

No action shall be taken involving any personal risk or without suitable training. Evacuate the area.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

Protective equipment resistant to corrosive products: gloves, boots, protective clothing, eye and face protection

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

All contaminated materials should be considered as waste for disposal according to local regulations.

6.3. Methods and material for containment and cleaning up

Neutralise with an alkaline decontaminant, such as an aqueous solution of sodium carbonate or similar.

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

CERT PROGRESS DESINFECTANT

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged: always ground when decanting. Wear antistatic shoes and clothing and make floors of non-conductive

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Avoid inhalation of vapours. Carry out any suitable industrial operation in a closed room. Provide extraction of the vapours at the source of emission, as well as general ventilation of the premises. Also provide respiratory protective equipment for certain short-term, exceptional work or for emergency interventions. In all cases, capture emissions at source.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

N/A

N/A

Storage

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.

Recommended types of packaging :

- Vats

- Bottles

Suitable packaging materials :

- Compatible grades HDPE.

Unsuitable packaging materials :

- Wood

- Cardboard

- Metal

- Paper bag

- Textile

7.3. Specific end use(s)

The mixture is a biocidal product. It must not be used for applications other than those described in this safety data sheet and in the technical documents concerning the product.

Product intended for strictly professional use.

TP4: Disinfectants for surfaces in contact with food and feed.

TP2: Disinfectants for surfaces, materials, equipment and furniture without direct contact with food or feed

Always read the label or the instructions before use, and follow all the instructions given there.

Do not mix with other detergents or biocidal products.

CERT PROGRESS DESINFECTANT

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5		1000 ppm		A3	

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
64-17-5		200 ppm 380 mg/m ³		4(II)

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
64-17-5	1000	1900	5000	9500	-	84

- Switzerland (Suva 2021) :

CAS	VME	VLE	Valeur plafond	Notations
64-17-5	500 ppm 960 mg/m ³	1000 ppm 1920 mg/m ³		

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 ppm 1920 mg/m ³				

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

ETHANOL (CAS: 64-17-5)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
343 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Short term local effects.
1900 mg of substance/m³

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
950 mg of substance/m³

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Ingestion.
Long term systemic effects.
87 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Dermal contact.
Long term systemic effects.
206 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Short term local effects.
950 mg of substance/m³

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
114 mg of substance/m³

SULFURIC ACID, MONO-C12-16-ALKYL ESTERS, SODIUM SALTS (CAS: 73296-89-6)

CERT PROGRESS DESINFECTANT

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
4060 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
285 mg of substance/m³

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Ingestion.
Long term systemic effects.
24 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Dermal contact.
Long term systemic effects.
2440 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
85 mg of substance/m³

Predicted no effect concentration (PNEC):

ETHANOL (CAS: 64-17-5)

Environmental compartment:
PNEC :

Soil.
0.63 mg/kg

Environmental compartment:
PNEC :

Fresh water.
0.96 mg/l

Environmental compartment:
PNEC :

Sea water.
0.79 mg/l

Environmental compartment:
PNEC :

Intermittent waste water.
2.75 mg/l

Environmental compartment:
PNEC :

Fresh water sediment.
3.6 mg/kg

Environmental compartment:
PNEC :

Marine sediment.
2.9 mg/kg

Environmental compartment:
PNEC :

Waste water treatment plant.
580 mg/l

SULFURIC ACID, MONO-C12-16-ALKYL ESTERS, SODIUM SALTS (CAS: 73296-89-6)

Environmental compartment:
PNEC :

Fresh water.
0.096 mg/l

Environmental compartment:
PNEC :

Sea water.
0.0096 mg/l

Environmental compartment:
PNEC :

Intermittent waste water.
0.036 mg/l

Environmental compartment:
PNEC :

Fresh water sediment.
3.37 mg/kg

Environmental compartment:

Marine sediment.

CERT PROGRESS DESINFECTANT

PNEC :	0.337 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 1084 mg/l
ACIDE LACTIQUE (CAS: 79-33-4) Environmental compartment: PNEC :	Waste water treatment plant. 1.3 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- Neoprene® (Polychloroprene)
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN ISO 374-2 (Type B)

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Wear suitable protective clothing and, in particular, an apron and boots. These items of clothing shall be maintained in good condition and cleaned after use.

Suitable type of protective boots :

In the event of minor spatter, wear protective boots or half-boots against chemical risks in accordance with standard EN13832-2.

In the event of prolonged contact, wear boots or half-boots with liquid-chemical-resistant and waterproof soles and uppers in accordance with standard EN13832-3.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

CERT PROGRESS DESINFECTANT

Category :

- FFP3

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

Particle filter according to standard EN143 :

- P2 (White)

In normal use, a breathing protection is not required.

Use respiratory protection at high exposure levels for example when crossing the limit value of the workplace, or where ventilation is insufficient or during prolonged exposure.

N/A

Exposure controls linked to environmental protection

The discharge of large amounts into drains, pipelines or the aquatic environment may lead to a sharp decrease in the pH value, which is harmful to aquatic organisms.

N/A

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state : Fluid liquid.

Colour

Color : N/A

Odour

Odour threshold : Not stated.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash Point : 45.50 °C.

Auto-ignition temperature

Self-ignition temperature : Not relevant.

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

pH

pH (aqueous solution) : Not stated.

pH : 2.50 +/- 0.49.

Slightly acidic.

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Soluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Not relevant.

Density and/or relative density

Density : = 1.08 g/cm³ +/- 0.02 (20°C)

Relative vapour density

Vapour density : Not stated.

CERT PROGRESS DESINFECTANT

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

N/A

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces
- exposure to light

10.5. Incompatible materials

Keep away from :

- bases
- strong oxidising agents
- combustible material
- flammable material
- chlorites and hypochlorites.

Do not mix with other disinfectants.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- sulphur dioxide (SO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

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

May cause irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following exposure between one and four hours.

Corrosive reactions are typified by ulcers, bleeding, bloody scabs, and, by the end of observation at 14 days, by discolouration due to blanching of the skin, complete areas of alopecia, and scars.

11.1.1. Substances

Acute toxicity :

P-MENTHA-1,4-DIENE (CAS: 99-85-4)

Oral route :

LD50 = 3850 mg/kg bodyweight/day

Dermal route :

LD50 > 2000 mg/kg bodyweight/day

Species : Rat

OECD Guideline 402 (Acute Dermal Toxicity)

ETHANOL (CAS: 64-17-5)

Oral route :

LD50 = 10470 mg/kg bodyweight/day

CERT PROGRESS DESINFECTANT

Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 20000 mg/kg bodyweight/day
Species : Rabbit

Inhalation route (Vapours) : LC50 = 117-125 mg/l
Species : Rat
OECD Guideline 403 (Acute Inhalation Toxicity)
Duration of exposure : 4 h

SULFURIC ACID, MONO-C12-16-ALKYL ESTERS, SODIUM SALTS (CAS: 73296-89-6)
Oral route : LD50 > 5000 mg/kg
OECD Guideline 401 (Acute Oral Toxicity)

ACIDE LACTIQUE (CAS: 79-33-4)
Oral route : LD50 = 3543 mg/kg bodyweight/day
Species : Rat

Dermal route : LD50 > 2000 mg/kg bodyweight/day
Species : Rabbit

Inhalation route (Vapours) : LC50 7.94

Skin corrosion/skin irritation :

SULFURIC ACID, MONO-C12-16-ALKYL ESTERS, SODIUM SALTS (CAS: 73296-89-6)
Irritation : Causes skin irritation.
2.3 <= Average score <= 4.0
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Specific target organ systemic toxicity - repeated exposure :

ACIDE LACTIQUE (CAS: 79-33-4)
Dermal route : C = 886 mg/kg bodyweight/day
Species : Rat
Duration of exposure : 90 days

P-MENTHA-1,4-DIENE (CAS: 99-85-4)
Oral route : C = 250 mg/kg bodyweight/day
Species : Rat
Duration of exposure : 90 days
OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the
Reproduction / Developmental Toxicity Screening Test)

11.1.2. Mixture

Skin corrosion/skin irritation :

Causes burns to the skin (H314).

Serious damage to eyes/eye irritation :

Causes serious eye damage. (H318).

11.2. Information on other hazards

Endocrine disrupting properties

The mixture does not contain ingredients considered to have endocrine disrupting properties according to Article 57, point f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or more.

Other information

N/A

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 93-15-2 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 67-63-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CERT PROGRESS DESINFECTANT

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

P-MENTHA-1,4-DIENE (CAS: 99-85-4)

Crustacean toxicity :

EC50 = 10189 mg/l
Species : Daphnia magna
Duration of exposure : 3 h

Algae toxicity :

ECr50 >= 10.82 mg/l
Species : Scenedesmus capricornutum
Duration of exposure : 72 h

ETHANOL (CAS: 64-17-5)

Fish toxicity :

LC50 = 11200 mg/l
Duration of exposure : 96 h

NOEC = 250 mg/l
OECD Guideline 212 (Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages)

Crustacean toxicity :

EC50 > 857 mg/l
Duration of exposure : 48 h

NOEC > 9.6 mg/l

Algae toxicity :

ECr50 > 275 mg/l
Duration of exposure : 72 h

SULFURIC ACID, MONO-C12-16-ALKYL ESTERS, SODIUM SALTS (CAS: 73296-89-6)

Fish toxicity :

10 < LC50 <= 100 mg/l
Species : Leuciscus idus
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :

10 < EC50 <= 100 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

0,1 < NOEC <= 1 mg/l
Species : Daphnia magna

Algae toxicity :

10 < ECr50 <= 100 mg/l
Species : Scenedesmus subspicatus
Duration of exposure : 72 h

ACIDE LACTIQUE (CAS: 79-33-4)

Fish toxicity :

LC50 = 130 mg/l
Species : Oncorhynchus mykiss
Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 130 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

Algae toxicity :

ECr50 = 2800 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h

CERT PROGRESS DESINFECTANT

NOEC > 1 mg/l

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

P-MENTHA-1,4-DIENE (CAS: 99-85-4)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

SULFURIC ACID, MONO-C12-16-ALKYL ESTERS, SODIUM SALTS (CAS: 73296-89-6)

Biodegradability : Rapidly degradable.

ACIDE LACTIQUE (CAS: 79-33-4)

Biodegradability : Rapidly degradable.

ETHANOL (CAS: 64-17-5)

Chemical oxygen demand : DCO = 1.99 g/g

Biodegradability : Rapidly degradable.

12.2.2. Mixtures

Surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents.

Biodegradation: N/A

12.3. Bioaccumulative potential

12.3.1. Substances

ETHANOL (CAS: 64-17-5)

Octanol/water partition coefficient : log K_{ow} = -0.3

ACIDE LACTIQUE (CAS: 79-33-4)

Octanol/water partition coefficient : log K_{ow} = -0.54

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The blend does not contain any ingredients considered persistent, bio-accumulating and toxic (PBT), or very persistent and very bio-accumulating (vPvB) at levels of 0.1% or greater, in accordance with appendix XIII of the REACH regulation (EC) n°1907/2006.

12.6. Endocrine disrupting properties

The mixture does not contain ingredients considered to have endocrine disrupting properties according to Article 57, point f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or more.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

All contaminated material must be considered as waste with a view to its elimination according to the regulations in force.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

CERT PROGRESS DESINFECTANT

Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

- 15 01 02 plastic packaging
- 07 06 04 * other organic solvents, washing liquids and mother liquors

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 - ICAO/IATA 2021).

14.1. UN number or ID number

2924

14.2. UN proper shipping name

UN2924=FLAMMABLE LIQUID, CORROSIVE, N.O.S.
(ethanol, acide lactique)

14.3. Transport hazard class(es)

- Classification :



3+8

14.4. Packing group

III

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	FC	III	3+8	38	5 L	274	E1	3	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	3	8	III	5 L	F-E. S-C	223 274	E1	Category A SW2	-

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	8	III	354	5 L	365	60 L	A3 A803	E1
	3	8	III	Y342	1 L	-	-	A3 A803	E1

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/643 (ATP 16)
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)

Container information:

N/A

Particular provisions :

No data available.

Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- 5 % or over but less than 15 % : anionic surfactants
- disinfectants
- perfumes

CERT PROGRESS DESINFECTANT

Labelling for biocidal products (Regulation (UE) n° 528/2012) :

Name	CAS	%	Product-type
ACIDE LACTIQUE	79-33-4	290.00 g/kg	02 04
ETHANOL	64-17-5	73.29 g/kg	02 04

Product-type 2 : Disinfectants and algacides not intended for direct application to humans or animals.

Product-type 4 : Food and feed area.

Type of preparation :

SL - soluble concentrate

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child .
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Abbreviations and acronyms :

LD50	: The dose of a test substance resulting in 50% lethality in a given time period.
LC50	: The concentration of a test substance resulting in 50% lethality in a given period.
EC50	: The effective concentration of substance that causes 50% of the maximum response.
ECr50	: The effective concentration of substance that causes 50% reduction in growth rate.
NOEC	: The concentration with no observed effect.
REACH	: Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE	: Acute Toxicity Estimate
BW	: Body Weight
DNEL	: Derived No-Effect Level
PNEC	: Predicted No-Effect Concentration
CMR	: Carcinogenic, mutagenic or reprotoxic.
STEL	: Short-term exposure limit
TWA	: Time Weighted Averages
TMP	: French Occupational Illness table
TLV	: Threshold Limit Value (exposure)
AEV	: Average Exposure Value.
ADR	: European agreement concerning the international carriage of dangerous goods by Road.
IMDG	: International Maritime Dangerous Goods.
IATA	: International Air Transport Association.
ICAO	: International Civil Aviation Organisation
RID	: Regulations concerning the International carriage of Dangerous goods by rail.
WGK	: Wassergefährdungsklasse (Water Hazard Class).
GHS02	: Flame
GHS05	: Corrosion
PBT	: Persistent, bioaccumulable and toxic.

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vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.