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 : DETERQUAT AL

Product code : 0718.

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

HYGIENE AND DISINFECTION

TP1: Hand disinfection (healthy skin).

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

TP4: Disinfectants for surfaces, materials, equipment and furniture in direct contact with food or animal feed.

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.
Main use category :	Product for mixed, professional and general public use.

Use descriptor system (REACH) :

PC8 Biocidal products (Includes e.g. disinfectant products, pest control products)

1.3. Details of the supplier of the safety data sheet

Registered company name : HYDRACHIM.

Address : Z.A. Route de Saint Poix.35370.LE PERTRE.FRANCE.

Telephone : +33 (0)2.99.96.80.08. Fax : +33 (0)2.99.96.82.00.

reglementation@hydrachim.fr

www.hydrachim.fr

FABRICANT

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

Association/Organisation : 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 2 (Flam. Liq. 2, H225).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

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

GHS07

Signal Word :

DANGER

Hazard statements :

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.

Precautionary statements - General :

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

Precautionary statements - Prevention :	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapors or spray.
Precautionary statements - Response :	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary statements - Storage :	
P403 + P235	Store in a well-ventilated place. Keep cool.
Precautionary statements - Disposal :	
P501	Dispose of contents and container to approved waste disposal plant in accordance with national regulations.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 59 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> = 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: 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	[i]	50 <= x % < 80

Specific concentration limits:

Identification	Specific concentration limits	ATE
INDEX: 603_002_00_5 CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-XXXX ETHANOL		inhalation: ATE = 117 mg/l 4h (vapours) oral: ATE = 10470 mg/kg BW

Nanoform

The product doesn't contain any nanomaterials.

Information on ingredients :

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

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

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.

4.1. description of first aid measures

In the event of exposure by inhalation :

Remove the victim away from the product. Provide fresh air. Consult a doctor in case the symptoms persist.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of swallowing :

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

In case of accidental ingestion call a doctor to judge the opportunity of a surveillance and a later treatment in a hospital environment, if needed. Show the label.

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

No additional information known.

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

No additional information known.

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

Unsuitable methods of extinction

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)

Vapours may form explosive mixtures with air.

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.

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).

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.

If the product contaminates water, rivers or sewers, alert the appropriate authorities according to regulatory procedures.Place drums for waste disposal in accordance with current regulations (see section 13).

6.3. Methods and material for containment and cleaning up

Clean preferably with water. Avoid the use of solvents.

Insure a sufficient aeration.

Stop leak if possible without risk. Remove all sources of ignition. Use non-sparking tools. Contain and collect spilled material using non-combustible/non-flammable absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in a container for disposal in accordance with local/national regulations (see section 13).

6.4. Reference to other sections

Section 7: Handling and Storage

Section 8: exposure control and personal protection

Section 10: Incompatible materials.

Section 13: disposal considerations.

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

Remove and wash contaminated clothing before re-using.

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

Keep out of the reach of children.

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.

Avoid eye contact with this mixture.

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

When personnel have to operate in the cabin, whether spraying or not, the ventilation may be insufficient to control solvent particles and vapors in all cases.

It is therefore advisable that personnel wear masks with compressed air supply during spraying operations, until the concentration of particles and solvent vapors has fallen below the exposure limits (face mask). gas, filter type A).

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

Stable under normal conditions. Store in a dry, cool and well-ventilated place.

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

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.

Recommended storage temperature: 20°C

Packaging

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

Recommended types of packaging :

- Vats
- Bottles

Suitable packaging materials :

- Plastic
- Compatible grades of HDPE

Unsuitable packaging materials :

- Wood

- Metal
- Cardboard
- 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.

Do not mix with other detergents or biocidal products.

Respect the conditions of use of the product (concentration, contact time, ...).

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

Product for mixed use: professional and general public.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- Belgium :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 ppm 1907 mg/m3				

- France :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
64-17-5	1000	1900	5000	9500		84

- Ireland :

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

- UK :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 ppm 1920 mg/m3				

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

ETHANOL (CAS: 64-17-5)

Final use: **Workers.**

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 343 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Short term local effects.
DNEL : 1900 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 950 mg of substance/m3

Final use: **Consumers.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 87 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 206 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Short term local effects.
DNEL : 950 mg of substance/m3

Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	114 mg of substance/m3

Predicted no effect concentration (PNEC):

ETHANOL (CAS: 64-17-5)

Environmental compartment:	Soil.
PNEC :	0.63 mg/kg
Environmental compartment:	Fresh water.
PNEC :	0.96 mg/l
Environmental compartment:	Sea water.
PNEC :	0.79 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	2.75 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	3.6 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	2.9 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	580 mg/l

8.2. Exposure controls

Appropriate engineering controls

The personal protection measures set out below reflect our current knowledge of the product. They must be followed in cases of: increased handling of the product, during deconditioning/repackaging steps, in the event of accidental dispersion or fire fighting.

Personal protection measures, such as personal protective equipment

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 ISO 16321.

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))
- Natural latex
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

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

For all handling related to the packaging of the product, the wearing of waterproof gloves resistant to chemical agents, conforming to standard NF EN374 is recommended, for example: nitrile rubber gloves, neoprene rubber, butyl rubber (Thickness: 0.5 mm , Permeation: 3 (> 60 minutes)).

The exact choice of the type of gloves depends on the type of work performed. Gloves should be selected in consultation with a glove manufacturer and after a thorough evaluation of working conditions. Gloves should be replaced regularly.

- Body protection

Suitable type of protective clothing :

Wear antistatic clothing made from heat resistant natural or synthetic fibres in accordance with standard EN1149.

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

Under normal conditions of use, protection is not required.

For all manipulations related to the packaging of the product, and in the event of insufficient ventilation, or in the event of the exposure limits being exceeded: Wear respiratory protection equipment. Recommended: Combined filter AX or ABEK.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	
Physical state :	Fluid liquid.
Colour	
Color :	Clear colorless
Odour	
Odour :	Alcoholic
Odour threshold :	Not stated.
Melting point	
Melting point/melting range :	Not relevant.
Freezing point	
Freezing point / Freezing range :	Not stated.
Boiling point or initial boiling point and boiling range	
Boiling point/boiling range :	> 35°C
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 :	21.00 °C.
Auto-ignition temperature	
Self-ignition temperature :	Not relevant.
Decomposition temperature	
Decomposition point/decomposition range :	Not relevant.
pH	
pH (aqueous solution) :	Not stated.
pH :	6.50 +/- 1.5. Neutral.
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 : 0.85 g/cm3 +/- 0.02
Method for determining the density :
OCDE Guideline 109 (Density of liquids and solids).

Relative vapour density

Vapour density : Not stated.

Particle characteristics

The mixture does not contain nanoforms.

9.2. Other information

No additional information available.

9.2.1. Information with regard to physical hazard classes

No additional information available.

9.2.2. Other safety characteristics

No additional information 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
- frost
- shock and friction

10.5. Incompatible materials

Keep away from :

- strong acids
- flammable material
- combustible material
- oxidising material
- metals
- oxidants

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

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

SECTION 11 : TOXICOLOGICAL INFORMATION

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

11.1.1. Substances

a) Acute toxicity :

ETHANOL (CAS: 64-17-5)

Oral route : LD50 = 10470 mg/kg body weight

	Species : Rat OECD Guideline 401 (Acute Oral Toxicity)
Dermal route :	LD50 > 20000 mg/kg body weight Species : Rabbit
Inhalation route (Vapours) :	LC50 = 117-125 mg/l Species : Rat OECD Guideline 403 (Acute Inhalation Toxicity) Duration of exposure : 4 h

b) Skin corrosion/skin irritation :

No data available.

c) Serious damage to eyes/eye irritation :

No data available.

d) Respiratory or skin sensitisation :

No data available.

e) Germ cell mutagenicity :

No data available.

f) Carcinogenicity :

No data available.

g) Reproductive toxicant :

No data available.

h) Specific target organ systemic toxicity - single exposure :

No data available.

i) Specific target organ systemic toxicity - repeated exposure :

No data available.

j) Aspiration hazard :

No data available.

11.1.2. Mixture

11.1.2.1 Information on hazard classes

a) Acute toxicity :

Not classified

b) Skin corrosion/skin irritation :

Not categorized.

c) Serious damage to eyes/eye irritation :

Causes severe eye irritation (H319).

d) Respiratory or skin sensitisation :

Not classified

e) Germ cell mutagenicity :

Not classified

f) Carcinogenicity :

Not classified

g) Reproductive toxicant :

Not classified

h) Specific target organ systemic toxicity - single exposure :

Unclassified.

i) Specific target organ systemic toxicity - repeated exposure :

Unclassified.

j) Aspiration hazard :

Unclassified.

11.1.2.2 Other information

Mixture versus substance information

Highly flammable liquid and vapour (H225).

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

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

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

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.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

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

12.1.2. Mixtures

12.2. Persistence and degradability

12.2.1. Substances

ETHANOL (CAS: 64-17-5)

Chemical oxygen demand :	DCO = 1.99 g/g
Biodegradability :	Rapidly degradable.

12.2.2. Mixtures

Biodegradation :	No data on decomposition is available, the mixture is not considered to decompose rapidly.

12.3. Bioaccumulative potential

12.3.1. Substances

ETHANOL (CAS: 64-17-5)

Octanol/water partition coefficient :	log Koe = -0.3

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain components considered to be persistent, bio-accumulating and toxic (PBT) or very persistent and very bio-accumulating (vPvB) at levels of 0.1% or more, according to annex XIII of the REACH regulation (EC) No. 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 additional information 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.

Soiled packaging :

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

Give to a certified disposal contractor.

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 2023 - IMDG 2022 [41-22] - ICAO/IATA 2024 [65]).

14.1. UN number or ID number

1993

14.2. UN proper shipping name

UN1993=FLAMMABLE LIQUID, N.O.S.

(ethanol)

14.3. Transport hazard class(es)

- Classification :

3

14.4. Packing group

II

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	II	3	33	1 L	274 601 640C	E2	2	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	3	-	II	1 L	F-E. S-E	274	E2	Category B	-

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	II	353	5 L	364	60 L	A3	E2
	3	-	II	Y341	1 L	-	-	A3	E2

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

Not applicable

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. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2024/2564. (ATP 22)

Container information:

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

Particular provisions :

No data available.

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): https://echa.europa.eu/substances-restricted-under-reach.

Authorisations agreed under Title VII of Regulation (EC) No.1907/2006 (REACH):

The mixture does not contain any substance subject to authorisation according to Annex XIV of REACH Regulation (EC) No 1907/2006: https://echa.europa.eu/fr/authorisation-list.

Substances that deplete the ozone layer (EC Regulation No. 1005/2009, Montreal Protocol) :

The mixture does not contain any substance posing a risk to the ozone layer.

Persistent organic pollutants (POP) (Regulation (EU) 2019/1021):

The mixture does not contain a persistent organic pollutant.

PIC Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals (Rotterdam Convention):

The mixture is not subject to the Prior Informed Consent (PIC) procedure.

Explosives precursors :

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

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

- disinfectants

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

Name	CAS	%	Product-type
ETHANOL	64-17-5	751 g/kg	01 02 04

Product-type 1 : Human hygiene.

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

Product-type 4 : Food and feed area.

Type of preparation : AL - Other liquids intended for use without dilution.

15.2. Chemical safety assessment

No further information 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.
H319	Causes serious eye irritation.

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
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.
GHS02 : Flame
GHS07 : Exclamation mark
IATA : International Air Transport Association.
IMDG : International Maritime Dangerous Goods.
ICAO : International Civil Aviation Organisation
PBT: Persistent, bioaccumulable and toxic.
PIC: Prior Informed Consent.
POP: Persistent Organic Pollutant.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
SVHC : Substances of very high concern.
vPvB : Very persistent, very bioaccumulable.