

SOFTYL - 07070

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

1.1. Product identifier

Product name : SOFTYL
Product code : 07070.

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

Fluid of injection: dissolves clots, facilitated the drainage of the blood.
Professional use

1.3. Details of the supplier of the safety data sheet

Registered company name : HYGECO.
Address : 20 Boulevard de la Muette - BP 64.95142.GARGES-LES-GONESSE CEDEX.FRANCE.
Telephone : +33 (0) 1 34 53 40 60. Fax : +33 (0) 1 39 86 34 00.
info@hygeco.com

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

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

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

Hazard pictograms :



GHS02



GHS05

Signal Word :

DANGER

Product identifiers :

EC 200-573-9

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Hazard statements :

H226

Flammable liquid and vapour.

H318

Causes serious 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/face protection.

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.

P310

Immediately call a POISON CENTER or a doctor.

Precautionary statements - Disposal :

P501

Dispose of contents/container in accordance with regulations

SOFTYL - 07070**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.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 12125-02-9 EC: 235-186-4 REACH: 01-2119487950-27 AMMONIUM CHLORIDE	GHS07 Wng Acute Tox. 4, H302 Eye Irrit. 2, H319	[1]	10 \leq x % < 25
CAS: 64-02-8 EC: 200-573-9 REACH: 01-2119486762-27 TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	GHS07, GHS05, GHS08 Dgr Acute Tox. 4, H302 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT RE 2, H373		2.5 \leq x % < 10
CAS: 111-46-6 EC: 203-872-2 REACH: 01-2119457857-21 2,2'-OXYBISETHANOL	GHS07, GHS08 Wng Acute Tox. 4, H302 STOT RE 2, H373	[1]	2.5 \leq x % < 10
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43 ETHYL ALCOHOL	GHS02, GHS07 Dgr Eye Irrit. 2, H319 Flam. Liq. 2, H225	[1]	1 \leq x % < 2.5
CAS: 1310-73-2 EC: 215-185-5 REACH: 01-2119457892-27 SODIUM HYDROXIDE	GHS05 Dgr Met. Corr. 1, H290 Skin Corr. 1A, H314	[1]	0 \leq x % < 1
INDEX: 606-002-00-3 CAS: 78-93-3 EC: 201-159-0 REACH: 01-2119457290-43 BUTANONE	GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066	[1]	0 \leq x % < 1
CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25 PROPAN-2-OL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H335	[1]	0 \leq x % < 1

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

Information on ingredients :

[1] 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 :**

Take away the subject of the place of exhibition and bring it to the open air

In the event of splashes or contact with eyes :

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

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

In the event of swallowing :

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

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Rinse the mouth, do not give any drink, do not induce vomiting. Immediately call a POISON CENTER or a doctor. Have product container or label at hand.

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

No data available.

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
- 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

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)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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.

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.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

Refer to Section 7 - Handling and storage.

Refer to Section 8 - Exposure Controls and Personal Protection.

Refer to Section 13 - Disposal considerations.

SOFTYL - 07070**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.

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

Fire prevention :

Handle in well-ventilated areas.

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 at all times.

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

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

Keep the container in a well ventilated place

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.

Packaging

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

7.3. Specific end use(s)

Please refer to paragraph 1 concerning the use of the product.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

- European Union (2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m ³ :	VME-ppm :	VLE-mg/m ³ :	VLE-ppm :	Notes :
78-93-3	600	200	900	300	-

- France (INRS - ED984 :2016) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
12125-02-9	-	10	-	-	-	-
64-17-5	1000	1900	5000	9500	-	84
1310-73-2	-	2	-	-	-	-
78-93-3	200	600	300	900	*	84
67-63-0	-	-	400	980	-	84

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
12125-02-9	- ppm 10 mg/m ³	- ppm 20 mg/m ³			
111-46-6	23 ppm 101 mg/m ³	- ppm - mg/m ³			
64-17-5	1000 ppm 1920 mg/m ³	- ppm - mg/m ³			

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1310-73-2	- ppm - mg/m ³	- ppm 2 mg/m ³			
78-93-3	200 ppm 600 mg/m ³	300 ppm 899 mg/m ³		Sk, BMGV	
67-63-0	400 ppm 999 mg/m ³	500 ppm 1250 mg/m ³			

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

PROPAN-2-OL (CAS: 67-63-0)

Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Workers.

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

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

Consumers.

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

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

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

BUTANONE (CAS: 78-93-3)

Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Final use:

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
1161 mg/kg body weight/day

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

Consumers.

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

Dermal contact.
Short term local effects.
412 mg/kg body weight/day

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

SODIUM HYDROXIDE (CAS: 1310-73-2)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Inhalation.
Long term local effects.
1 mg of substance/m³

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Final use: Exposure method: Potential health effects: DNEL :	Consumers. Inhalation. Long term local effects. 1 mg of substance/m3
ETHYL ALCOHOL (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
2,2'-OXYBISETHANOL (CAS: 111-46-6)	
Final use: Exposure method: Potential health effects: DNEL :	Workers. Dermal contact. Long term systemic effects. 106 mg/kg body weight/day
Exposure method: Potential health effects: DNEL :	Inhalation. Long term local effects. 60 mg of substance/m3
Final use: Exposure method: Potential health effects: DNEL :	Consumers. Dermal contact. Long term systemic effects. 53 mg/kg body weight/day
Exposure method: Potential health effects: DNEL :	Inhalation. Long term local effects. 12 mg of substance/m3
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)	
Final use: Exposure method: Potential health effects:	Workers. Inhalation. Long term local effects.

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DNEL : 1.5 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Short term local effects.
DNEL : 3 mg of substance/m3

Final use: **Consumers.**
Exposure method: Ingestion.
Potential health effects: Short term local effects.
DNEL : 20 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 0.6 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Short term local effects.
DNEL : 1.2 mg of substance/l

AMMONIUM CHLORIDE (CAS: 12125-02-9)

Final use: **Workers.**
Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 43.97 mg of substance/m3

Final use: **Consumers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 55.2 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 9.4 mg of substance/m3

Predicted no effect concentration (PNEC):**PROPAN-2-OL (CAS: 67-63-0)**

Environmental compartment: Soil.
PNEC : 28 mg/kg

Environmental compartment: Fresh water.
PNEC : 140.9 mg/l

Environmental compartment: Sea water.
PNEC : 140.9 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 140.9 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 552 mg/kg

Environmental compartment: Marine sediment.
PNEC : 552 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 2251 mg/l

Environmental compartment: Vermivore predators (oral).
PNEC : 160 mg/kg

SOFTYL - 07070**BUTANONE (CAS: 78-93-3)**

Environmental compartment: PNEC :	Soil. 22.5 mg/kg
Environmental compartment: PNEC :	Fresh water. 55.8 mg/l
Environmental compartment: PNEC :	Sea water. 55.8 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 55.8 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 284.7 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 709 mg/l

ETHYL ALCOHOL (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
Environmental compartment: PNEC :	Vermivore predators (oral). 0.72 g/kg

2,2'-OXYBISETHANOL (CAS: 111-46-6)

Environmental compartment: PNEC :	Soil. 1.53 mg/kg
Environmental compartment: PNEC :	Fresh water. 10 mg/l
Environmental compartment: PNEC :	Sea water. 1 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 10 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 20.9 mg/kg
Environmental compartment:	Waste water treatment plant.

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PNEC : 199.5 mg/l

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Environmental compartment: Soil.
PNEC : 0.72 mg/kg

Environmental compartment: Fresh water.
PNEC : 2.2 mg/l

Environmental compartment: Sea water.
PNEC : 0.22 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 1.2 mg/l

Environmental compartment: Waste water treatment plant.
PNEC : 43 µg/l

AMMONIUM CHLORIDE (CAS: 12125-02-9)

Environmental compartment: Soil.
PNEC : 50.7 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.25 mg/l

Environmental compartment: Sea water.
PNEC : 0.025 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 0.43 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 0.9 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.09 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 13.1 mg/l

8.2. Exposure controls**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

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 EN374.

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))

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- Neoprene® (Polychloroprene)

- Body protection

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.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information :**

Physical state :	Fluid liquid.
Color:	Colorless to yellow
Odour:	Low

Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	Not relevant.
Flash Point Interval :	23°C <= FP <= 55°C
Vapour pressure (50°C) :	Not relevant.
Density :	= 1
Water solubility :	Soluble.
Melting point/melting range :	Not relevant.
Self-ignition temperature :	Not relevant.
Decomposition point/decomposition range :	Not relevant.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

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

10.5. Incompatible materials

No data available.

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 toxicological effects**

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

SOFTYL - 07070**11.1.1. Substances****Acute toxicity :**

PROPAN-2-OL (CAS: 67-63-0)

Oral route :

LD50 = 5840 mg/kg

Species : Rat

Dermal route :

LD50 = 13900 mg/kg

Species : Rabbit

SODIUM HYDROXIDE (CAS: 1310-73-2)

Oral route :

LD50 = 1350 mg/kg

Species : Rat

Dermal route :

LD50 = 1350 mg/kg

Species : Rat

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Oral route :

LD50 = 1780 mg/kg

AMMONIUM CHLORIDE (CAS: 12125-02-9)

Oral route :

LD50 = 1410 mg/kg

Species : Rat

11.1.2. Mixture**Acute toxicity :**

On the basis of the available data, classification criteria are not reached.

Skin corrosion/skin irritation :

On the basis of the available data, classification criteria are not reached.

Serious damage to eyes/eye irritation :

Eye Dam 1. H318 : Causes serious eye damage.

Respiratory or skin sensitisation :

On the basis of the available data, classification criteria are not reached.

Germ cell mutagenicity :

On the basis of the available data, classification criteria are not reached.

Carcinogenicity :

On the basis of the available data, classification criteria are not reached.

Reproductive toxicant :

On the basis of the available data, classification criteria are not reached.

Specific target organ systemic toxicity - single exposure :

On the basis of the available data, classification criteria are not reached.

Specific target organ systemic toxicity - repeated exposure :

On the basis of the available data, classification criteria are not reached.

Aspiration hazard :

On the basis of the available data, classification criteria are not reached.

SECTION 12 : ECOLOGICAL INFORMATION**12.1. Toxicity****12.1.1. Substances**

PROPAN-2-OL (CAS: 67-63-0)

Fish toxicity :

LC50 = 9640 mg/l

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 9714 mg/l

Duration of exposure : 48 h

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Fish toxicity :

LC50 > 1000 mg/l

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Species : Lepomis macrochirus
Duration of exposure : 96 h

NOEC \geq 36.9 mg/l
Species : Brachydanio rerio
Duration of exposure : 35 days
OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)

Crustacean toxicity :

EC50 > 140 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

NOEC = 25 mg/l
Species : Daphnia magna
Duration of exposure : 21 days
OECD Guideline 211 (Daphnia magna Reproduction Test)

Algae toxicity :

NOEC = 156 mg/l
Duration of exposure : 14 days
Other guideline

12.1.2. Mixtures

The mixture is not classified dangerous for environment in accordance with the CLP1272/2008 rules.

12.2. Persistence and degradability**12.2.1. Substances**

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

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

PROPAN-2-OL (CAS: 67-63-0)

Chemical oxygen demand : DCO = 2.23 g/g

Five-day biochemical oxygen demand : DBO5 = 1.19 g/g

Biodegradability : Rapidly degradable.
DBO5/DCO = 0.53

12.3. Bioaccumulative potential**12.3.1. Substances**

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

Bioaccumulation : BCF = 1.8
Species : Lepomis macrochirus (Fish)

PROPAN-2-OL (CAS: 67-63-0)

Octanol/water partition coefficient : log K_{ow} = 0.05

Bioaccumulation : BCF = 3

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

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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, preferably 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.

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 2017 - IMDG 2016 - ICAO/IATA 2017).

14.1. UN number

2920

14.2. UN proper shipping name

UN2920=CORROSIVE LIQUID, FLAMMABLE, N.O.S.

(sodium hydroxide, ethyl alcohol)

14.3. Transport hazard class(es)

- Classification :



8+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
	8	CF1	II	8+3	83	1 L	274	E2	2	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	8	3	II	1 L	F-E,S-C	274	E2

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	8	3	II	851	1 L	855	30 L	-	E2
	8	3	II	Y840	0.5 L	-	-	-	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. Transport in bulk according to Annex II of Marpol and the IBC Code

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:

- Regulation (EC) n°1272/2008 and adaptations.

- Container information:

No data available.

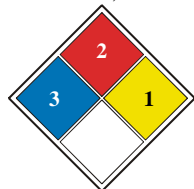
SOFTYL - 07070

- Particular provisions :

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=3 Inflammability=2 Instability/Reactivity=1 Specific Risk=none

**15.2. Chemical safety assessment**

The chemical safety assessment is carried out for the substances concerned. The data is indicated in the different sections of the safety data sheet.

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.

UPDATING :

To be translated (XML)

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure .
EUH066	Repeated exposure may cause skin dryness or cracking.

Abbreviations :

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

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.

GHS02 : Flame

GHS05 : Corrosion

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.