



**ALLCLEAN - 19001-19002**

## 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 : ALLCLEAN  
Product code : 19001-19002.  
UFI : N140-MOPG-2002-8FJX

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

Degreaser soluble in water

#### 1.3. Details of the supplier of the safety data sheet

Registered company name : PRESI S.A.S.  
Address : 11 Rue du vercors.38320.EYBENS.France.  
Telephone : +33 (0)4.76.72.00.21. Fax : +33 (0)4.76.72.05.84.  
presi@presi.com  
www.presi.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.

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

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

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

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

#### 2.2. Label elements

Detergent mixture (see section 15).

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

Hazard pictograms :



GHS05

Signal Word :

DANGER

Product identifiers :

EC 215-687-4

SODIUM SILICATE

EC 215-185-5

SODIUM HYDROXIDE

Hazard statements :

H314

Causes severe skin burns and eye damage.

Precautionary statements - Prevention :

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P280

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ...

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].

**ALLCLEAN - 19001-19002**

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/doctor/...

**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	%
CAS: 5131-66-8 EC: 225-878-4 REACH: 01-2119475527-28 <b>3-BUTOXYPROPAN-2-OL</b>	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319		$2.5 \leq x \% < 10$
CAS: 1344-09-8 EC: 215-687-4 REACH: 01-2119448725-31 <b>SODIUM SILICATE</b>	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		$2.5 \leq x \% < 10$
CAS: 69011-36-5 EC: 500-241-6 <b>ISOTRIDECANOL, ETHOXYLATED</b>	GHS07, GHS05 Dgr Acute Tox. 4, H302 Eye Dam. 1, H318		$1 \leq x \% < 2.5$
CAS: 97489-15-1 EC: 307-055-2 REACH: 01-2119489924-20 <b>SODIUM C14-17 SEC ALKYL SULFONATE</b>	GHS07, GHS05 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412		$1 \leq x \% < 2.5$
CAS: 34590-94-8 EC: 252-104-2 REACH: 01-2119450011-60 <b>DIPROPYLENE GLYCOL METHYL ETHER</b>		[1]	$1 \leq x \% < 2.5$
CAS: 141-43-5 EC: 205-483-3 REACH: 01-2119486455-28 <b>2-AMINOETHANOL</b>	GHS06, GHS05 Dgr Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1B, H314 Acute Tox. 4, H332 STOT SE 3, H335	[1]	$0 \leq x \% < 1$
CAS: 1310-73-2 EC: 215-185-5 REACH: 01-2119457892-27 <b>SODIUM HYDROXIDE</b>	GHS05 Dgr Met. Corr. 1, H290 Skin Corr. 1A, H314	[1]	$0 \leq x \% < 1$

**ALLCLEAN - 19001-19002**

**Specific concentration limits:**

Identification	Specific concentration limits	ATE
CAS: 5131-66-8 EC: 225-878-4 REACH: 01-2119475527-28  3-BUTOXYPROPAN-2-OL		oral: ATE = 1900 mg/kg BW
CAS: 1344-09-8 EC: 215-687-4 REACH: 01-2119448725-31  SODIUM SILICATE	Skin Irrit. 2: H315 >=10% Eye Dam. 1: H318 C>= 3% Eye Irrit. 2: H319 1% <= C < 3%	oral: ATE = 11253 mg/kg BW
CAS: 69011-36-5 EC: 500-241-6  ISOTRIDEKANOL, ETHOXYLATED		dermal: ATE = 5960 mg/kg BW
CAS: 34590-94-8 EC: 252-104-2 REACH: 01-2119450011-60  DIPROPYLENE GLYCOL METHYL ETHER		dermal: ATE = 9500 mg/kg BW oral: ATE = 5350 mg/kg BW
CAS: 141-43-5 EC: 205-483-3 REACH: 01-2119486455-28  2-AMINOETHANOL		dermal: ATE = 1000 mg/kg BW oral: ATE = 1720 mg/kg BW
CAS: 1310-73-2 EC: 215-185-5 REACH: 01-2119457892-27  SODIUM HYDROXIDE	Skin Corr. 1A: H314 C>= 5% Skin Corr. 1B: H314 2% <= C < 5% Skin Irrit. 2: H315 0.5% <= C < 2% Eye Dam. 1: H318 C>= 2% Eye Irrit. 2: H319 0.5% <= C < 2%	dermal: ATE = 1350 mg/kg BW oral: ATE = 325 mg/kg BW

**Information on ingredients :**

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

[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**

Do not breathe vapors or spray mist

**In the event of exposure by inhalation :**

Move to fresh air

If symptoms persist, call a physician

**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 splashes or contact with skin :**

Remove any soiled or splashed clothing immediately.

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.

Wash well with water

**In the event of swallowing :**

Do not give the patient anything orally.

Seek medical attention immediately, showing the label.



**ALLCLEAN - 19001-19002**

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Do not induce vomiting without medical advice  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
Drink 1 or 2 glasses of water.

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

Eye contact:	Corrosive. Causes burns which may result in corneal damage with possible loss of sight.
Skin contact:	Corrosive. Causes burns and possible scarring or deep ulceration.
Ingestion:	Ingestion can cause severe burns to the mouth, throat, digestive tract.
Inhalation:	Inhalation of mist may cause severe respiratory tract burns.

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

The product causes burns to eyes, skin and mucous membranes.

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**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media**

**Suitable methods of extinction**

In the event of a fire, use :

- sprayed water or water mist
- foam
- carbon dioxide (CO<sub>2</sub>)
- powder

**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 (CO<sub>2</sub>)

N/A

**5.3. Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus

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**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

Depending on the risk of exposure, wear gloves, goggles, and protective clothing

**For non first aid worker**

Avoid any contact with the skin and eyes.

The interveners will be equipped with appropriate personal protective equipment (see section 8).

**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**

Neutralise with an acidic decontaminant.

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.

**ALLCLEAN - 19001-19002**

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.

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

To dilute for use

Do not eat, drink or smoke while working.

Avoid contact with skin and eyes.

Do not breathe gas/fumes/vapours/spray.

Ensure proper ventilation.

**Fire prevention :**

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.

**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 tightly closed in a cool, well ventilated place

Store in original container.

**Packaging**

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

**7.3. Specific end use(s)**

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limits :**

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m <sup>3</sup> :	VME-ppm :	VLE-mg/m <sup>3</sup> :	VLE-ppm :	Notes :
34590-94-8	308	50	-	-	Peau
141-43-5	2.5	1	7.6	3	Peau

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
34590-94-8	100 ppm	150 ppm		Skin	
141-43-5	3 ppm	6 ppm			
1310-73-2			2 mg/m <sup>3</sup>		

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

CAS	VME :	Excess	Notes
34590-94-8	50 ppm 310 mg/m <sup>3</sup>		1(I)
141-43-5	0.2 ppm 0.5 mg/m <sup>3</sup>		1(I)

**ALLCLEAN - 19001-19002**

- Canada / Ontario (Control of exposure to biological or chemical agents, regulation 491/2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1310-73-2	-	-	2 mg/m <sup>3</sup>	-	-

- Canada / Quebec (Regulations on occupational health and safety) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
34590-94-8	100 ppm 606 mg/m <sup>3</sup>	150 ppm 909 mg/m <sup>3</sup>		Pc	
141-43-5	3 ppm 7.5 mg/m <sup>3</sup>	6 ppm 15 mg/m <sup>3</sup>			
1310-73-2			2 mg/m <sup>3</sup>	RP	

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

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
34590-94-8	50	308	-	-	*	84
141-43-5	1	2.5	3	7.6	-	49. 49 Bis
1310-73-2	-	2	-	-	-	-

- Japan (JSOH, Recommendation of occupational exposure limits 2021-2022) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
141-43-5	3 ppm 7.5 mg/m <sup>3</sup>				
1310-73-2	2 mg/m <sup>3</sup>				

- Switzerland (Suva 2021) :

CAS	VME	VLE	Valeur plafond	Notations
34590-94-8	50 ppm 300 mg/m <sup>3</sup>	50 ppm 300 mg/m <sup>3</sup>		
141-43-5	2 ppm 5 mg/m <sup>3</sup>	4 ppm 10 mg/m <sup>3</sup>		
1310-73-2	2 ppm	2 ppm		

- USA / NIOSH IDLH (National Institute for Occupational Safety and Health, Immediately Dangerous to Life or Health Concentrations) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
34590-94-8	100 ppm 600 mg/m <sup>3</sup>	150 ppm 900 mg/m <sup>3</sup>		skin	
141-43-5	3 ppm 8 mg/m <sup>3</sup>	6 ppm 15 mg/m <sup>3</sup>			
1310-73-2			2 mg/m <sup>3</sup>		

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
34590-94-8	50 ppm 308 mg/m <sup>3</sup>			Sk	
141-43-5	1 ppm 2.5 mg/m <sup>3</sup>	3 ppm 7.6 mg/m <sup>3</sup>		Sk	
1310-73-2		2 mg/m <sup>3</sup>			

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

SODIUM HYDROXIDE (CAS: 1310-73-2)

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Workers.**

Inhalation.  
Long term systemic effects.  
1 mg of substance/m<sup>3</sup>

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Man exposed via the environment.**

Inhalation.  
Long term local effects.  
1 mg of substance/m<sup>3</sup>

## 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

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

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 :

- Natural latex
- PVC (polyvinyl chloride)
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- Neoprene® (Polychloroprene)

Short-term use (eg occasional contact or splash protection): NBR 0.4 mm or PVC 0.7 mm.

Use by soaking or immersion: Neoprene 0.4 mm, permeation time > 480 mm.

#### - 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.

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

Particle filter according to standard EN143 :

- P2 (White)
- P3 (White)

Breathing apparatus needed only when aerosol or mist is formed



**ALLCLEAN - 19001-19002**

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**Physical state**

Physical state : Fluid liquid.

**Colour**

Color: Light green

**Odour**

Odour threshold : Not stated.

Odour: N/A

**Melting point**

Melting point/melting range : -5 °C.

**Freezing point**

Freezing point / Freezing range : Not stated.

**Boiling point or initial boiling point and boiling range**

Boiling point/boiling range : 100 °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 interval : Not relevant.

**Auto-ignition temperature**

Self-ignition temperature : Not relevant.

**Decomposition temperature**

Decomposition point/decomposition range : Not relevant.

**pH**

pH : 13.00 .  
Strongly basic.

pH (aqueous solution) : Not stated.

**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 : 1.14

**Relative vapour density**

Vapour density : Not stated.

**9.2. Other information**

VOC (g/l) : 74.10

% VOC : 6.5 % (w/w)





**ALLCLEAN - 19001-19002**

**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**

Not considered highly reactive.

**10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

The mixture itself will not react dangerously or polymerize to create hazardous conditions under normal use.

**10.4. Conditions to avoid**

Avoid :

- frost

**10.5. Incompatible materials**

Keep away from :

- strong acids

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)

None

**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 three minutes and one hour.

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 :**

SODIUM HYDROXIDE (CAS: 1310-73-2)

Oral route :

LD50 = 325 mg/kg bodyweight/day

Species : Rat

Dermal route :

LD50 = 1350 mg/kg bodyweight/day

Species : Rabbit

2-AMINOETHANOL (CAS: 141-43-5)

Oral route :

LD50 = 1720 mg/kg bodyweight/day

Species : Rat

Dermal route :

LD50 = 1000 mg/kg bodyweight/day

Species : Rabbit

Inhalation route (Dusts/mist) :

LC50 > 1.3 mg/l

Species : Rat

Duration of exposure : 4 h

**ALLCLEAN - 19001-19002**

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DIPROPYLENE GLYCOL METHYL ETHER (CAS: 34590-94-8)  
Oral route : LD50 = 5350 mg/kg bodyweight/day  
Species : Rat

Dermal route : LD50 = 9500 mg/kg bodyweight/day  
Species : Rabbit

ISOTRIDECANOL, ETHOXYLATED (CAS: 69011-36-5)  
Oral route : LD50 > 2000 mg/kg bodyweight/day  
Species : Rat

Dermal route : LD50 = 5960 mg/kg bodyweight/day  
Species : Rabbit

Inhalation route (Dusts/mist) : LC50 > 1.6 mg/l  
Species : Rat

SODIUM SILICATE (CAS: 1344-09-8)  
Oral route : LD50 = 11253 mg/kg bodyweight/day  
Species : Rat

3-BUTOXYPROPAN-2-OL (CAS: 5131-66-8)  
Oral route : LD50 = 1900 mg/kg bodyweight/day  
Species : Rat

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

#### 11.1.2. Mixture

##### Skin corrosion/skin irritation :

The 'corrosive' classification is based on the low/high pH which has been confirmed by tests.

#### 11.2. Information on other hazards

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## SECTION 12 : ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Substances

SODIUM HYDROXIDE (CAS: 1310-73-2)  
Fish toxicity : LC50 = 45.4 mg/l  
Species : Oncorhynchus mykiss  
Duration of exposure : 96 h

2-AMINOETHANOL (CAS: 141-43-5)  
Fish toxicity : LC50 = 227 mg/l  
Species : Pimephales promelas  
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 65 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

Algae toxicity : ECr50 = 15 mg/l  
Species : Desmodesmus subspicatus

**ALLCLEAN - 19001-19002**

Duration of exposure : 72 h

**DIPROPYLENE GLYCOL METHYL ETHER (CAS: 34590-94-8)**

Fish toxicity : LC50 > 10000 mg/l  
Species : Pimephales promelas  
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 1919 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

**3-BUTOXYPROPAN-2-OL (CAS: 5131-66-8)**

Fish toxicity : LC50 > 10000 mg/l  
Species : Pimephales promelas  
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 1919 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

**SODIUM SILICATE (CAS: 1344-09-8)**

Fish toxicity : LC50 = 301 mg/l  
Species : Lepomis macrochirus  
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 216 mg/l  
Species : Daphnia magna  
Duration of exposure : 96 h

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

**12.2.1. Substances**

**SODIUM HYDROXIDE (CAS: 1310-73-2)**

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

**2-AMINOETHANOL (CAS: 141-43-5)**

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

**DIPROPYLENE GLYCOL METHYL ETHER (CAS: 34590-94-8)**

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

**SODIUM SILICATE (CAS: 1344-09-8)**

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

**3-BUTOXYPROPAN-2-OL (CAS: 5131-66-8)**

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

**ALLCLEAN - 19001-19002**

**12.3. Bioaccumulative potential**

**12.4. Mobility in soil**

Soluble in water

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

**German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :**

WGK 1 : Slightly hazardous for water.

**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) :**

20 01 29 \* detergents containing dangerous substances

07 06 01 \* aqueous 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 2020 [40-20] - ICAO/IATA 2023 [64]).

**14.1. UN number or ID number**

3266

**14.2. UN proper shipping name**

UN3266=CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

(sodium hydroxide)

**14.3. Transport hazard class(es)**

- Classification :



8

**14.4. Packing group**

III

**14.5. Environmental hazards**

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**ALLCLEAN - 19001-19002**

**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	8	C5	III	8	80	5 L	274	E1	3	E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	8	-	III	5 L	F-A. S-B	223 274	E1	Category A SW2	SGG18 SG35

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	8	-	III	852	5 L	856	60 L	A3 A803	E1
	8	-	III	Y841	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. 2022/692 (ATP 18)

**Container information:**

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>.

**Explosives precursors :**

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

**Particular provisions :**

No data available.

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

- less than 5% of: anionic surfactants
- less than 5% of: amphoteric surfactants
- less than 5% of: non-ionic surfactants

**German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :**

WGK 1 : Slightly hazardous for water.

**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 :**

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.



**ALLCLEAN - 19001-19002**

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H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

**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.  
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.  
ATE : Acute Toxicity Estimate  
BW : Body Weight  
DNEL : Derived No-Effect Level  
UFI : Unique formulation identifier.  
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).  
GHS05 : Corrosion  
PBT: Persistent, bioaccumulable and toxic.  
vPvB : Very persistent, very bioaccumulable.  
SVHC : Substances of very high concern.