



**ADDITIF ANTI-ROUILLE - 01025/01026/01090**

## 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 : ADDITIF ANTI-ROUILLE

Product code : 01025/01026/01090.

UFI : 5C60-90A6-A00E-4P9P

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

Lubricant for cutting

#### 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 irritation, Category 2 (Skin Irrit. 2, H315).

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

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

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

Hazard pictograms :



GHS07

Signal Word :

WARNING

Hazard statements :

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements - Prevention :

P262 Do not get in eyes, on skin, or on clothing.

#### 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 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  $\geq 0.1\%$  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.

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**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**Composition :**

Identification	Classification (EC) 1272/2008	Note	%
CAS: 105-59-9 EC: 203-312-7 REACH: 01-2119488970-24  2,2'-(METHYLIMINO)DIETHANOL	GHS07 Wng Eye Irrit. 2, H319		25 <= x % < 50
CAS: 112-34-5 EC: 203-961-6 REACH: 01-2119475104-44  2-(2-BUTOXYETHOXY)ETHANOL	GHS07 Wng Eye Irrit. 2, H319	[i] [xvii]	10 <= x % < 25
ALKOXYLATED AMINE, POLYMER	GHS07 Wng Skin Irrit. 2, H315		2.5 <= x % < 10
ACIDE, EQUILIBRE IONIQUE AVEC BASES ORGANIQUE // ACID, IONIC EQUILIBRIUM WITH ORGANIC BASES	GHS07 Wng Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319		2.5 <= x % < 10
CAS: 141-43-5 EC: 205-483-3 REACH: 01-2119486455-28  2-AMINOETHANOL	GHS07, GHS05 Dgr Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT SE 3, H335	[i]	1 <= x % < 2.5
ALCANOLAMINE PRIMAIRE EQUILIBRE IONIQUE AVEC ACIDE // PRIMARY ALKANOLAMINE IONIC EQUILIBRIUM WITH ACIDS	GHS07 Wng Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 Aquatic Chronic 3, H412		1 <= x % < 2.5
AMMONIUM QUATERNAIRE, POLYMERE // QUATERNARY AMMONIUM COMPOUND, POLYMER	GHS09 Wng Aquatic Acute 1, H400 M Acute = 10 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 1

**Specific concentration limits:**

Identification	Specific concentration limits	ATE
CAS: 105-59-9 EC: 203-312-7 REACH: 01-2119488970-24  2,2'-(METHYLIMINO)DIETHANOL		dermal: ATE = 5990 mg/kg BW oral: ATE = 4680 mg/kg BW
CAS: 112-34-5 EC: 203-961-6 REACH: 01-2119475104-44  2-(2-BUTOXYETHOXY)ETHANOL		dermal: ATE = 2700 mg/kg BW oral: ATE = 3384 mg/kg BW
ALKOXYLATED AMINE, POLYMER		oral: ATE = 5001 mg/kg BW



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ACIDE, EQUILIBRE IONIQUE AVEC BASES ORGANIQUE // ACID, IONIC EQUILIBRIUM WITH ORGANIC BASES		oral: ATE = 1100 mg/kg BW
CAS: 141-43-5 EC: 205-483-3 REACH: 01-2119486455-28		dermal: ATE = 2504 mg/kg BW oral: ATE = 1515 mg/kg BW
2-AMINOETHANOL		
ALCANOLAMINE PRIMAIRE EQUILIBRE IONIQUE AVEC ACIDE // PRIMARY ALKANOLAMINE IONIC EQUILIBRIUM WITH ACIDS		dermal: ATE = 2504 mg/kg BW oral: ATE = 1515 mg/kg BW

**Information on ingredients :**

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

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

[xvii] Restricted substance under Regulation (EC) No. 1907/2006 (REACH), Annex XVII.

**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 :**

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.

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

**In the event of splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

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.

**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.

Seek medical attention immediately, showing the label.

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

Causes severe eye irritation.

Causes skin irritation.

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

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media**

**Suitable methods of extinction**

In the event of a fire, use :

- powder

- foam

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

Fight major outbreaks with alcohol-resistant foam or water spray containing surfactant.



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**Unsuitable methods of extinction**

High volume 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 (CO<sub>2</sub>)

N/A

**5.3. Advice for firefighters**

Use self-contained breathing apparatus and also protective clothing

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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.

**For non first aid worker**

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**

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.

Remove with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

Contaminated surfaces will be extremely slippery

Prevent product from entering in sewer

**6.4. Reference to other sections**

No data available.

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**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.

To dilute for use

Do not eat, drink or smoke while working.

Ensure effective ventilation.

Avoid aerosol formation.

**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.

Avoid skin and eye contact with this mixture.

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**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 at temperature between 5 and 30 °C.

If humidity and temperature too low, fears the freeze

Prevent product from entering in sewer

**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 :
112-34-5	67.5	10	101.2	15	-
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 :
141-43-5	3 ppm	6 ppm			

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

CAS	VME :	VME :	Excess	Notes
112-34-5		10 ppm 67 mg/m <sup>3</sup>		1.5 (I)
141-43-5		0.2 ppm 0.5 mg/m <sup>3</sup>		1(I)

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
141-43-5	3 ppm 7.5 mg/m <sup>3</sup>	6 ppm 15 mg/m <sup>3</sup>			

- 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 :
112-34-5	10	67.5	15	101.2	VLRI	84
141-43-5	1	2.5	3	7.6	VLRC	49,49 BIS

- 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>				

- Switzerland (Suva 2021) :

CAS	VME	VLE	Valeur plafond	Notations
112-34-5	10 ppm 67 mg/m <sup>3</sup>	15 ppm 101 mg/m <sup>3</sup>		SSC
141-43-5	2 ppm 5 mg/m <sup>3</sup>	4 ppm 10 mg/m <sup>3</sup>		S

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
141-43-5	3 ppm 8 mg/m <sup>3</sup>	6 ppm 15 mg/m <sup>3</sup>			

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
112-34-5	10 ppm 67.5 mg/m <sup>3</sup>	15 ppm 101.2 mg/m <sup>3</sup>			
141-43-5	1 ppm 2.5 mg/m <sup>3</sup>	3 ppm 7.6 mg/m <sup>3</sup>		Sk	

## 8.2. Exposure controls

### Appropriate engineering controls

Avoid contact with skin, eyes and clothing

Contaminated equipment (brushes, rags) must be cleaned immediately with water

### 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

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVC (polyvinyl chloride)

- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended thickness of the material:  $\geq 0,38$  mm

Minimum permeation time:  $\geq 480$  min

#### - 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.

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.

As required, wear a face mask, impervious protective clothing, and safety boots (when handling drums)



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**- Respiratory protection**

Breathing apparatus needed only when aerosol or mist is formed

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

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

**Physical state**

Physical state : Fluid liquid.

**Colour**

Color: Blue

**Odour**

Odour threshold : Not stated.

Odour: Slight

**Melting point**

Melting point/melting range : Not specified.

**Freezing point**

Freezing point / Freezing range : Not stated.

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

Boiling point/boiling range : Not specified.

**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 specified.

**Decomposition temperature**

Decomposition point/decomposition range : Not specified.

**pH**

pH : 10.00 .

Slightly basic.

pH (aqueous solution) : 10.0 (50 g/l, 20°C)

**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 : 1.04 (15°C)

**Relative vapour density**

Vapour density : Not stated.



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**Particle characteristics**

The mixture does not contain nanoforms.

**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**

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**

No data available.

**10.4. Conditions to avoid**

Avoid :

- frost
- heat
- flames and hot surfaces

**10.5. Incompatible materials**

Keep away from :

- strong oxidising agents
- strong acids
- strong bases
- oxidising material

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

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

Incomplete combustion produces toxic gases, such as CO, CO<sub>2</sub>, various forms of hydrocarbons, aldehydes, etc..., and soots

**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 inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

**11.1.1. Substances**

**Acute toxicity :**

ALCANOLAMINE PRIMAIRE EQUILIBRE IONIQUE AVEC ACIDE // PRIMARY ALKANOLAMINE IONIC EQUILIBRIUM WITH ACIDS

Oral route : LD50 = 1515 mg/kg bodyweight/day  
Species : Rat  
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 = 2504 mg/kg bodyweight/day  
Species : Rabbit



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OECD Guideline 402 (Acute Dermal Toxicity)

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

Oral route :

LD50 = 1515 mg/kg bodyweight/day

Species : Rat

OECD Guideline 401 (Acute Oral Toxicity)

Dermal route :

LD50 = 2504 mg/kg bodyweight/day

Species : Rabbit

OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (Vapours) :

LC50 1.487

ACIDE, EQUILIBRE IONIQUE AVEC BASES ORGANIQUE // ACID, IONIC EQUILIBRIUM WITH ORGANIC BASES

Oral route :

LD50 = 1100 mg/kg bodyweight/day

Species : Rat

ALKOXYLATED AMINE, POLYMER

Oral route :

LD50 = 5001 mg/kg bodyweight/day

Species : Rat

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

Oral route :

LD50 = 3384 mg/kg bodyweight/day

Species : Rat

Dermal route :

LD50 = 2700 mg/kg bodyweight/day

Species : Rabbit

2,2'-(METHYLIMINO)DIETHANOL (CAS: 105-59-9)

Oral route :

LD50 = 4680 mg/kg bodyweight/day

Species : Rat

Dermal route :

LD50 = 5990 mg/kg bodyweight/day

Species : Rabbit

**Respiratory or skin sensitisation :**

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

Local lymph node stimulation test :

Non-Sensitiser.

Species : Guinea pig

OECD Guideline 406 (Skin Sensitisation)

2,2'-(METHYLIMINO)DIETHANOL (CAS: 105-59-9)

Local lymph node stimulation test :

Non-Sensitiser.

Species : Guinea pig

OECD Guideline 406 (Skin Sensitisation)

**11.1.2. Mixture**

**Serious damage to eyes/eye irritation :**

Mild eye irritation.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

The mixture does not contain any substance evaluated as an endocrine disruptor with effects on human health.



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**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.1. Substances**

ALCANOLAMINE PRIMAIRE EQUILIBRE IONIQUE AVEC ACIDE // PRIMARY ALKANOLAMINE IONIC EQUILIBRIUM WITH ACIDS

Fish toxicity : LC50 = 125 mg/l  
Duration of exposure : 96 h

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

Algae toxicity : EC50 mg/l  
Duration of exposure : 72 h

ACIDE, EQUILIBRE IONIQUE AVEC BASES ORGANIQUE // ACID, IONIC EQUILIBRIUM WITH ORGANIC BASES

Fish toxicity : LC50 = 122 mg/l  
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 68 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

Algae toxicity : EC50 mg/l  
Duration of exposure : 72 h

AMMONIUM QUATERNAIRE, POLYMERE // QUATERNARY AMMONIUM COMPOUND, POLYMER

Fish toxicity : LC50 = 0.047 mg/l  
Duration of exposure : 96 h

NOEC = 0.037 mg/l  
Factor M = 1

Crustacean toxicity : EC50 = 0.37 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

NOEC = 0.08 mg/l  
Factor M = 1  
Species : Daphnia magna

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

Fish toxicity : LC50 = 125 mg/l  
Duration of exposure : 96 h  
NOEC = 1.2 mg/l  
Duration of exposure : 28 days

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



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	NOEC = 0.85 mg/l Species : Daphnia magna Duration of exposure : 21 days OECD Guideline 211 (Daphnia magna Reproduction Test)
Algae toxicity :	ECr50 = 22 mg/l Duration of exposure : 72 h  EC50 mg/l Duration of exposure : 72 h  NOEC > 1 mg/l
2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)	
Fish toxicity :	LC50 = 1300 mg/l Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 101 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	EC50 mg/l Duration of exposure : 96 h
2,2'-(METHYLIMINO)DIETHANOL (CAS: 105-59-9)	
Fish toxicity :	LC50 = 1466 mg/l Duration of exposure : 96 h
Crustacean toxicity :	EC50 = 233 mg/l Species : Daphnia magna Duration of exposure : 48 h  NOEC > 100 mg/l Species : Daphnia magna Duration of exposure : 35 days
Algae toxicity :	EC50 mg/l Duration of exposure : 72 h

#### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

#### 12.2. Persistence and degradability

##### 12.2.1. Substances

AMMONIUM QUATERNAIRE, POLYMERE // QUATERNARY AMMONIUM COMPOUND, POLYMER

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

ALCANOLAMINE PRIMAIRE EQUILIBRE IONIQUE AVEC ACIDE // PRIMARY ALKANOLAMINE IONIC EQUILIBRIUM WITH ACIDS

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

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



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Biodegradability : Rapidly degradable.

ACIDE, EQUILIBRE IONIQUE AVEC BASES ORGANIQUE // ACID, IONIC EQUILIBRIUM WITH ORGANIC BASES

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

ALKOXYLATED AMINE, POLYMER

Biodegradability : Rapidly degradable.

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

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

2,2'-(METHYLIMINO)DIETHANOL (CAS: 105-59-9)

Biodegradability : Rapidly degradable.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

Do not discharge into surface water or sanitary sewer system

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

No data available.

**12.6. Endocrine disrupting properties**

The mixture does not contain any substance evaluated as an endocrine disruptor with environmental effects.

**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.

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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, 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) :**

12 01 09 \* machining emulsions and solutions free of halogens

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**SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

Not restricted by IATA.

**14.1. UN number or ID number**

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**14.2. UN proper shipping name**

-

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

-

**14.4. Packing group**

-

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

**14.7. Maritime transport in bulk according to IMO instruments**

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**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 contains at least one restricted substance under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): <https://echa.europa.eu/substances-restricted-under-reach>. Please refer to Section 3 to identify the substance involved.

**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.

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

WGK 1 : Slightly hazardous for water.

**Swiss ordinance on the incentive tax on volatile organic compounds :**

112-34-5                      2-(2-n-butoxyéthoxy)éthanol (éther mono-butylique de diéthylèneglycol)

**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 :**

H302	Harmful if swallowed.
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.



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H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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.  
NOEC : The concentration with no observed effect.  
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.  
ATE : Acute Toxicity Estimate  
BW : Body Weight  
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.  
VLRI : Indicative limit value  
VLRC : Indicative constraint 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).  
GHS07 : Exclamation mark  
PBT: Persistent, bioaccumulable and toxic.  
vPvB : Very persistent, very bioaccumulable.  
SVHC : Substances of very high concern.