

## SECTION 1. Identification of the substance/mixture and of the company/enterprise

### 1.1. Product identifier

Product name : ECOCLEAN  
Product code: refer to sales department

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

Emulsifying solvent action cleanser

Sectors of use:

Industrial Manufacturing[SU3], Manufacture of food products[SU4]

Product category:

Washing and Cleaning Products (including solvent based products)

Process categories:

Use in batch and other process (syn- thesis) where opportunity for exposure arises[PROC4], Industrial spraying[PROC7], Transfer of substance or mixture (charging and discharging) at dedicated facilities[PROC8B], Treatment of articles by dipping and pouring [PROC13], Brushing / scrubbing after spray application (trigger) or brushing / scrubbing with tools [PROC10]

Not recommended uses

Do not use for purposes other than those listed

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

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## SECTION 2. Hazards identification

### 2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:  
GHS05

Hazard Class and Category Code(s):  
Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1

Hazard statement Code(s):  
H290 - May be corrosive to metals.  
H314 - Causes severe skin burns and eye damage.  
H318 - Causes serious eye damage.

The product can be corrosive to metals  
Corrosive product: causes severe skin burns and eye damage.  
If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):  
GHS05 - Danger

Hazard statement Code(s):  
H290 - May be corrosive to metals.  
H314 - Causes severe skin burns and eye damage.



Supplemental Hazard statement Code(s):

EUH208 - Contains preservatives: Benzisothiazolinone. May produce an allergic reaction.

Precautionary statements:

Prevention

P260 - Do not breathe vapours/spray.

P280 - Wear protective gloves/clothing and eye/face protection.

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.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains:

Sodium metasilicate pentahydrate

Contains (Reg.EC 648/2004):

< 5% EDTA and salts thereof, phosphates, anionic surfactants,

Preservatives: Benzisothiazolinone

### 2.3. Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

The use of this chemical agent implies the obligation of the "risk assessment" by the employer according to the provisions of Legislative Decree April 9, 2008 no. 81 and subsequent amendments. If the results of the risk assessment demonstrate that, in relation to the type, quantity, methods and frequency of exposure, there is only a low risk for the safety and irrelevant for the health of the workers and that the measures referred to in paragraph 1 of Legislative Decree April 9, 2008 no. 81 are sufficient to reduce the risk, the provisions of articles 225, 226, 229, 230 of the same Legislative Decree do not apply

Do not ingest. Keep out of reach of children.

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Irrilevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[ w/w]	Classification	Index	CAS	EINECS	REACH
2-Butoxyethanol	>= 5 < 9%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 3, H331 ATE oral = 1.200,0 mg/kg	603-014-00-0	111-76-2	203-905-0	01-2119475 108-36-XXX X

Substance	Concentration[ w/w]	Classification	Index	CAS	EINECS	REACH
		ATE inhal = 3,0mg/l/4 h				
Tetrapotassium pyrophosphate	>= 1 < 5%	Eye Irrit. 2, H319		7320-34-5	230-785-7	01-2119489 369-18-XXX X
Sodium metasilicate pentahydrate	>= 3 < 5%	Met. Corr. 1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335		10213-79-3	229-912-9	01-2119449 811-37-XXX X
Tetrasodium ethylene diamine tetraacetate	>= 1 < 3%	Acute Tox. 4, H302; Eye Dam. 1, H318; Acute Tox. 4, H332; STOT RE 2, H373 ATE oral = 1.780,0 mg/kg ATE inhal = 1,5mg/l/4 h (dust/fog)		64-02-8	200-573-9	01-2119486 762-27-XXX X
Benzisothiazolinone	< 0,05%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Limits: Skin Sens. 1, H317 %C >=0,05; Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral = 670,0 mg/kg	613-088-00-6	2634-33-5	220-120-9	01-2120761 540-60-XXX X

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

**EYES:** Remove any contact lenses. Wash immediately with plenty of water for at least 30/60 minutes, opening the eyelids well. Consult a doctor immediately.

**SKIN:** Remove contaminated clothing. Take a shower immediately. Consult a doctor immediately.

**INGESTION:** Give water to drink as much as possible. Consult a doctor immediately. Do not induce vomiting unless expressly authorized by your doctor.

**INHALATION:** Call a doctor immediately. Bring the subject to fresh air, away from the accident site. If breathing stops, give artificial respiration. Take appropriate precautions for the rescuer.

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

No specific information on symptoms and effects caused by the product is known.

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

Information not available

## **SECTION 5. Firefighting measures**

### **5.1. Extinguishing media**

#### **SUITABLE EXTINGUISHING MEDIA**

The extinguishing media are the traditional ones: carbon dioxide, foam, powder and nebulized water.

#### **UNSUITABLE EXTINGUISHING MEDIA**

None in particular.

### **5.2. Special hazards arising from the substance or mixture**

#### **HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE**

Avoid breathing combustion products.

### **5.3. Advice for firefighters**

#### **GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire protection equipment. Collect extinguishing water which must not be discharged into drains. Dispose of contaminated water used for extinction and the remains of the fire according to the regulations in force. **EQUIPMENT** Normal fire fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant (EN469), flame retardant gloves (EN 659) and firefighter boots (HO A29 or A30).

## **SECTION 6. Accidental release measures**

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

#### **6.1.1 For non-emergency personnel:**

Stop the leak if there is no danger. Wear appropriate protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of the skin, eyes and personal clothing. These indications are valid both for workers involved in the work and for emergency interventions.

#### **6.1.2 For emergency responders:**

Wearing of suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. Eliminate all open flames and possible sources of ignition. Not smoking. Provide adequate ventilation. Evacuate the danger area and, if necessary, consult an expert.

## **6.2. Environmental precautions**

Contain spills with earth or sand.

If the product has entered a watercourse, sewers or has contaminated soil or vegetation, notify the authorities.  
Dispose of the waste material in compliance with the regulations

## **6.3. Methods and material for containment and cleaning up**

### **6.3.1 Containment:**

Rapidly recover the product, wear a mask and protective clothing (for specifications refer to section 8.2. SDS)  
Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material or suck it.  
Prevent it from entering the sewer system.

### **6.3.2 Cleaning up:**

After wiping up, wash with water the area and materials involved

### **6.3.3 Other information:**

Vacuum the leaked product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material. Ensure adequate ventilation of the area affected by the loss. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

## **6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

# **SECTION 7. Handling and storage**

## **7.1. Precautions for safe handling**

Avoid contact and inhalation of vapors

Wear protective gloves/clothing and eye/face protection.

Handle the product after consulting all other sections of this safety data sheet.

At work do not eat or drink.

See also paragraph 8 below.

## **7.2. Conditions for safe storage, including any incompatibilities**

Keep in original container closed tightly. Do not store in open or unlabelled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool and dry place, away from heat sources and direct exposure to sunlight.

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

Industrial Manufacturing:

Keep only in the original container. Keep containers closed, in a well-ventilated place, away from direct sunlight. Store containers away from any incompatible materials, checking section 10.

Manufacture of food products:

Keep only in the original container. Keep containers closed, in a well-ventilated place, away from direct sunlight. Store containers away from any incompatible materials, checking section 10.

See the annex exposure scenario.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

=====

Related to contained substances:

2-Butoxyethanol:

Limit Value – Eight hours  
(ppm)/(mg/m<sup>3</sup>)

Australia: 20/96.9

Austria: 20/98

Belgium: 20/98

Canada – Ontario: 20/x

Canada – Québec: 20/x

Denmark: 20/98 (1)

European Union: 20/98

Finland: 20/98

France: 10/49

Germany(AGS): 10/49 (1)

Germany (DFG): 10(1)/49(2)

Hungary: x/98

Ireland: 20/98 (1)

Italy: 20/98 (1)

Latvia: 20/98

New Zealand: 25/121

Norway: 10(1)/50(1)

Poland: x/98

Romania: 20/98

Singapore: 25/121

South Korea: 20/x (1)

Spain: 20/98 (1)

Sweden: 10/50

Switzerland: 10/49 MAK

The Netherlands: x/100 (1)

Turkey: 20/98

USA – NIOSH: 5/24 (1)

USA-OSHA: 50/240 (1)

United Kingdom: 25/123

Limit Value – Short term  
(ppm)/(mg/m<sup>3</sup>)

Australia: 50/242

Austria: 40/200

Belgium: 50/246 (1)

Canada – Ontario: x/x

Canada – Québec: x/x

Denmark: 40/196 (1)(2)

European Union: 50/246

Finland: 50(1)/250(1)

France: 50/246 (1)

Germany(AGS):20(1)/98(1)(2)  
Germany (DFG): 20(2)/98 (2)(3)  
Hungary: x/246 (1)(2)  
Ireland: 50(1)/246(1)  
Italy: 50/246 (1)(2)  
Japan: x/x  
Latvia: 50(1)/246(1)  
New Zealand: 25/121  
Norway: x/x  
Poland: x/200  
Romania: 50/246 (1)  
Singapore: x/x  
South Korea: x/x  
Spain: 50/245 (1)(2)  
Sweden: 50(1)/246(1)  
Switzerland: 20/98 BAC  
The Netherlands: x/246  
Turkey: 50(1)/246(1)  
USA – NIOSH: x/x  
USA-OSHA: x/x  
United Kingdom: 50/246

Belgium Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (1) 15 minutes average value

Denmark (1) Skin (2) 15 minutes average value

European Union (1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)

Finland (1) 15 minutes average value

France Bold type: Restrictive statutory limit values Skin (1) 15 minutes average value

Germany (AGS) (1) Skin (2) 15 minutes average value

Germany (DFG) (1) MAK value applies for the sum of the concentrations of 2-Butoxyethanol and 2-Butoxyethylacetate in air (2) Skin (3) 15 minutes average value

Hungary (1) Skin (2) 15 minutes average value

Ireland (1) 15 minutes reference period

Italy (1) Skin (2) 15 minutes average value

Japan (JSOH) (1) Exposure concentrations must be kept below this level. (2) Skin

Latvia (1) 15 minutes average value

Norway (1) Skin

Romania (1) 15 minutes average value

South Africa Mining (1) Skin

South Korea (1) Skin

Spain (1) Skin (2) 15 minutes average value

Sweden (1) 15 minutes average value

The Netherlands (1) Skin (2) 15 minutes average value

Turkey (1) 15 minutes average value

USA - NIOSH (1) Skin

USA - OSHA (1) Skin

Tetrapotassium pyrophosphate:

Limit value - Eight hours (mg / m<sup>3</sup>) / (ppm)

AGW Deutschland: 10 / x inhalable fraction

AGW Deutschland: 3 / x breathable fraction

Limit value - Short term (mg / m<sup>3</sup>) / (ppm)

AGW Deutschland: x / x

AGW Deutschland: x / x

- Substance: 2-Butoxyethanol

DNEL

Systemic effects Long term Workers inhalation = 98 (mg/m<sup>3</sup>)

Systemic effects Long term Workers dermal = 125 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 59 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers dermal = 75 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 6,3 (mg/kg bw/day)

Systemic effects Short term Workers inhalation = 1091 (mg/m<sup>3</sup>)

Systemic effects Short term Workers dermal = 89 (mg/kg bw/day)

Systemic effects Short term Consumers inhalation = 49 (mg/m<sup>3</sup>)

Systemic effects Short term Consumers dermal = 89 (mg/kg bw/day)

Systemic effects Short term Consumers oral = 26,7 (mg/kg bw/day)

Local effects Short term Workers inhalation = 246 (mg/m<sup>3</sup>)

Local effects Short term Consumers inhalation = 426 (mg/m<sup>3</sup>)

PNEC

Sweet water = 8,8 (mg/l)

sediment Sweet water = 34,6 (mg/kg/sediment)

Sea water = 0,88 (mg/l)

sediment Sea water = 3,46 (mg/kg/sediment)

intermittent emissions = 9,1 (mg/l)

STP = 463 (mg/l)

ground = 3,13 (mg/kg ground)

- Substance: Tetrapotassium pyrophosphate

DNEL

Systemic effects Long term Workers inhalation = 17,63 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers inhalation = 4,35 (mg/m<sup>3</sup>)

PNEC

Sweet water = 0,05 (mg/l)

Sea water = 0,005 (mg/l)

intermittent emissions = 0,5 (mg/l)

STP = 50 (mg/l)

- Substance: Sodium metasilicate pentahydrate

DNEL

Systemic effects Long term Workers inhalation = 6,22 (mg/m<sup>3</sup>)

Systemic effects Long term Workers dermal = 1,49 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 1,55 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers dermal = 0,74 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 0,74 (mg/kg bw/day)

PNEC

Sweet water = 7,5 (mg/l)

Sea water = 1 (mg/l)

STP = 7,5 (mg/l)

ground = 1000 (mg/kg ground)

- Substance: Tetrasodium ethylene diamine tetraacetate

DNEL

Systemic effects Long term Workers inhalation = 1,5 (mg/m<sup>3</sup>)

PNEC

Sweet water = 2,86 (mg/l)

sediment Sweet water = 1,56 (mg/kg/sediment)

Sea water = 0,286 (mg/l)

STP = 55,94 (mg/l)

ground = 0,937 (mg/kg ground)

## 8.2. Exposure controls

Appropriate engineering controls:

Industrial Manufacturing:

No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)

Manufacture of food products:

No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)

8.2.2 Individual protection measures:

(a) Eye / face protection

It is advisable to wear airtight protective goggles (ref. standard EN 166).

(b) Skin protection

(i) Hand protection

Protect hands with category III work gloves (ref. standard EN 374).

For the final choice of work glove material, the following must be considered: compatibility, degradation, breakthrough time

breakage and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not as it cannot be foreseen. Gloves have a wear time that depends on the duration and mode of use

(ii) Other

Wear long-sleeved work clothes and category II safety footwear for professional use (ref. Regulation 2016/425 and EN ISO 20344). Wash with soap and water after removing protective clothing.  
protective clothing.

(c) Respiratory protection

Not needed for normal use. If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is recommended to wear a mask with a type A filter. relation to the limit concentration of use. (ref. standard EN 14387). If gases or vapours of a different nature and/or gases or vapours with particles (aerosols, fumes, mists, etc.) are present, combined type filters must be used.

The use of respiratory protective equipment is necessary if the technical measures taken are not sufficient to limit the worker's exposure to the threshold values taken into account. The protection offered by masks is in any case limited. In cases where the substance in question is odourless or its odour threshold is higher than the relevant TLV-TWA and in the event of an emergency, wear a self-contained open-circuit compressed air breathing apparatus (ref. standard EN 137) or a supplied-air respirator (ref. standard EN 138). For the correct choice of respiratory protective device, refer to EN 138. respiratory protective device, refer to EN 529.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices and avoid to disperse the product into the environment.

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

Physical and chemical properties	Value	Determination method
Physical state	Clear liquid	
Colour	fluorescent yellow	
Odour	not determined as it is considered not relevant for the characterization of the product	
Odour threshold	not determined as it is considered not relevant for the characterization of the product	
Melting point/freezing point	not determined as it is considered not relevant for the characterization of the product	
Boiling point or initial boiling point and boiling range	not determined as it is considered not relevant for the characterization of the product	
Flammability	not determined as it is considered not relevant for the characterization of the product	
Lower and upper explosion limit	not determined as it is considered not relevant for the characterization of the product	
Flash point	not determined as it is considered not relevant for the characterization of the product	
Auto-ignition temperature	not determined as it is considered not relevant for the characterization of the product	
Decomposition temperature	not determined as it is considered not relevant for the characterization of the product	
pH	13,5 ± 0,5 (20°C); 12,0 ± 0,5 (20°C; sol. 10%)	
Kinematic viscosity	not determined as it is considered not relevant for the characterization of the product	
Solubility	in water	
Water solubility	miscible in all proportions	
Partition coefficient n-octanol/water (log value)	not determined as it is considered not relevant for the characterization of the product	
Vapour pressure	not determined as it is considered not relevant for the characterization of the product	
Density and/or relative density	1,05 ± 0,05 (20°C)	
Relative vapour density	not determined as it is considered not relevant for the characterization of the product	
Particle characteristics	not determined as considered not relevant for the characterization of the product	

### 9.2. Other information

#### 9.2.1 Information with regard to physical hazard classes

No data available.

#### 9.2.2 Other safety characteristics

VOC (Dir. 2010/75/UE) 5,50 % - 56,11 g/litro  
VOC CH - 3,35 % - 34,19 g/litro

## **SECTION 10. Stability and reactivity**

### **10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

2-BUTOXYETHANOL Decomposes due to heat.

PENTAHYDRATE SODIUM METASILICATE Aqueous solutions behave as: strong bases. Corrode: aluminum, zinc, tin, aluminum alloys, zinc alloys, tin alloys.

### **10.2. Chemical stability**

The product is stable in normal conditions of use and storage.

### **10.3. Possibility of hazardous reactions**

In normal use and storage conditions dangerous reactions are not predictable.

2-BUTOXYETHANOL

Can react dangerously with: aluminum, oxidizing agents. Peroxide form with: air.

PENTAHYDRATE SODIUM METASILICATE

Reacts violently with: acids.

### **10.4. Conditions to avoid**

None in particular. However, follow the usual precautions for chemical products. 2-BUTOXYETHANOL

Avoid exposure to: heat sources, open flames.

### **10.5. Incompatible materials**

Information not available

### **10.6. Hazardous decomposition products**

2-BUTOXYETHANOL

Can develop: hydrogen.

## SECTION 11. Toxicological information

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

ATE (Inhalation - mists/dusts) of the mixture: > 5 mg/l  
ATE (inhalation - vapours) of the mixture: > 20 mg/l  
ATE (oral) of the mixture: >2000 mg/kg  
ATE (Dermal) of the mixture: Not classified (no relevant components)

(a) acute toxicity: 2-Butoxyethanol: Ingestion - LD50 rat (mg / kg / 24h bw): 1200  
Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> n.d.  
Inhalation - LC50 rat (mg / L / 4h): 2.2 ( dust / mists)  
Inhalation - ATE vapors 11 mg / l estimate from table 3.1.2 of Annex I to CLP  
Tetrapotassium pyrophosphate: Ingestion-rat LD50 (mg/kg/bw 24h): > 2000

Skin contact-LC50 rat/coniglio (mg/kg/bw 24h): >2000  
Inhalation-rat LD50 (mg/l/4h): >1,1  
Sodium metasilicate pentahydrate: Ingestion - LD50 rat (mg / kg / 24h bw): 1349  
Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> 5000  
Inhalation - LD50 rat (g / m<sup>3</sup> / 4h):> 2.06  
Tetrasodium ethylene diamine tetraacetate: Contact with skin - LC50 rat/rabbit (mg/kg/24h bw): >5000  
ATE Inhalation of mists/dusts: 1.5 mg/l  
Benzisothiazolinone: Skin contact - LC50 rat / rabbit (mg/kg/24h bw): >2000  
Inhalation - LD50 rat (mg/l/4h): nd

(b) skin corrosion/irritation: Corrosive product: causes severe skin burns and eye damage.

2-Butoxyethanol: Not corrosive  
Tetrapotassium pyrophosphate: Non-corrosive  
Sodium metasilicate pentahydrate: Corrosive  
Tetrasodium ethylene diamine tetraacetate: Not corrosive  
Benzisothiazolinone: Corrosive  
2-Butoxyethanol: Irritating  
Tetrapotassium pyrophosphate: Non-irritating  
Sodium metasilicate pentahydrate: Irritating  
Tetrasodium ethylene diamine tetraacetate: Not irritating  
Benzisothiazolinone: Irritating

(c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage. - If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

2-Butoxyethanol: Not corrosive  
Tetrapotassium pyrophosphate: Non-corrosive  
Sodium metasilicate pentahydrate: Corrosive  
Tetrasodium ethylene diamine tetraacetate: Corrosive  
Benzisothiazolinone: Corrosive  
2-Butoxyethanol: Irritating  
Tetrapotassium pyrophosphate: Irritating  
Sodium metasilicate pentahydrate: Irritating  
Tetrasodium ethylene diamine tetraacetate: Irritating  
Benzisothiazolinone: Irritating

(d) respiratory or skin sensitisation: 2-Butoxyethanol: Not available  
Tetrapotassium pyrophosphate: Non-sensitizing  
Sodium metasilicate pentahydrate: Not available  
Tetrasodium ethylene diamine tetraacetate: Unavailable  
Benzisothiazolinone: May cause an allergic reaction.

- (e) germ cell mutagenicity: 2-Butoxyethanol: Not available  
Tetrapotassium pyrophosphate: Non-mutagenic  
Sodium metasilicate pentahydrate: Not available  
Tetrasodium ethylene diamine tetraacetate: Unavailable  
Benzisothiazolinone: Not available  
(f) carcinogenicity: 2-Butoxyethanol: Not available  
Tetrapotassium pyrophosphate: Non-carcinogenic  
Sodium metasilicate pentahydrate: Not available  
Tetrasodium ethylene diamine tetraacetate: Unavailable  
Benzisothiazolinone: Not available  
(g) eproductivetoxicity: 2-Butoxyethanol: Not available  
Tetrapotassium pyrophosphate: Non-toxic for reproduction  
Sodium metasilicate pentahydrate: Not available  
Tetrasodium ethylene diamine tetraacetate: Unavailable  
Benzisothiazolinone: Not available  
(h) specific target organ toxicity (STOT) single exposure: 2-Butoxyethanol: Not available  
Tetrapotassium pyrophosphate: Not available  
Sodium metasilicate pentahydrate: Not available  
Tetrasodium ethylene diamine tetraacetate: Unavailable  
Benzisothiazolinone: Not available  
(i) specific target organ toxicity (STOT) repeated exposure: 2-Butoxyethanol: Not available  
Tetrapotassium pyrophosphate: Not available  
Sodium metasilicate pentahydrate: Not available  
Tetrasodium ethylene diamine tetraacetate: Unavailable  
Benzisothiazolinone: Not available  
(j) aspiration hazard: 2-Butoxyethanol: Not available  
Tetrapotassium pyrophosphate: Not available  
Sodium metasilicate pentahydrate: Not available  
Tetrasodium ethylene diamine tetraacetate: Unavailable  
Benzisothiazolinone: Not available

**ECOCLEAN:**

LD50 (rat) Oral (mg/kg body weight) > 2000  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000  
CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 20

=====

Related to contained substances:

2-Butoxyethanol:

LD50 (rat) Oral (mg/kg body weight) = 1200  
CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 3

Tetrasodium ethylene diamine tetraacetate:

LD50 (rat) Oral (mg/kg body weight) = 1780  
CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 1,5

Benzisothiazolinone:

LD50 (rat) Oral (mg/kg body weight) = 670

**11.2. Information on other hazards**

No data available.

## 12.1. Toxicity

=====

Related to contained substances:

2-Butoxyethanol:

Acute toxicity - fish LC50 (mg / l / 96h): 1,474 (Oncorhynchus mykiss - OECD - guideline 203) Acute toxicity - crustaceans EC50 (mg / l / 48h): 1,55 mg / l / 48h (Daphnia magna - OECD - Guideline 202)

Acute toxicity algae ErC50 (mg / l / 72-96h): 1.84 mg / l / 72h (Pseudokirchneriella subcapitata - OECD - Guideline 201)

Chronic toxicity - fish NOEC (mg / l): > 100 mg / l (Brachydanio rerio - OECD - Guideline 204) Chronic toxicity - crustaceans NOEC (mg / l): 100 mg / l (Daphnia magna - OECD - Guideline 211)

Chronic toxicity algae NOEC (mg / l): na

Tetrapotassium pyrophosphate:

Acute toxicity - fish LC50 (mg / l / 96h): > 100 Oncorhynchus Mykiss

Acute toxicity - crustaceans EC50 (mg / l / 48h): > 100 Daphnia magna

Acute toxicity alg ErC50 (mg / l / 72-96h): > 100

Chronic toxicity - NOEC fish (mg / l): > 100

Chronic toxicity - crustaceans NOEC (mg / l): nd

Chronic algae toxicity NOEC (mg / l): nd

Sodium metasilicate pentahydrate:

Acute toxicity - fish LC50 (mg / l / 96h): 1108 Brachydanio rerio

Acute toxicity - shellfish EC50 (mg / l / 48h): 1700 Daphnia magna (by analogy)

Acute toxicity algae ErC50 (mg / l / 72-96h): 207 Scenedesmus subspicatus

Chronic toxicity - NOEC fish (mg / l): nd

Chronic toxicity - crustacean NOEC (mg / l): nd

Chronic algae toxicity NOEC (mg / l): nd

Tetrasodium ethylene diamine tetraacetate:

Acute toxicity - fish LC50 (mg / l / 96h): > 100

Acute toxicity - crustaceans EC50 (mg / l / 48h): 140 Daphnia magna

Acute toxicity algae ErC50 (mg / l / 72-96h): > 100

Chronic toxicity - fish NOEC (mg / l): > 25.7 Danio rerio

Chronic toxicity - crustaceans NOEC (mg / l): 25 Daphnia magna

NOEC (mg/l) = 25

Benzisothiazolinone:

Acute toxicity - fish LC50 (mg / l / 96h): 2.15 Oncorhynchus mykiss

Acute toxicity - shellfish EC50 (mg / l / 48h): 2.9 Daphnia magna

Acute toxicity algae ErC50 (mg / l / 72-96h): 0.084

Chronic toxicity - NOEC fish (mg / l): nd

Chronic toxicity - crustaceans NOEC (mg / l): nd

Chronic toxicity algae NOEC (mg / l): nd

C(E)L50 (mg/l) = 2,15

Use according to good working practices and avoid to disperse the product into the environment.

## 12.2. Persistence and degradability

=====

Related to contained substances:

2-Butoxyethanol:

Solubility in water: 1000 - 10000mg / L Rapidly degradable 90% 28 days - OECD 301B

Tetrapotassium pyrophosphate:

Not biodegradable

Sodium metasilicate pentahydrate:  
Information not available

Tetrasodium ethylene diamine tetraacetate:  
NOT rapidly degradable

Benzisothiazolinone:  
52% degraded after 63 days

### 12.3. Bioaccumulative potential

=====  
Related to contained substances:  
2-Butoxyethanol:  
Partition coefficient: n-octanol / water 0.81

Tetrapotassium pyrophosphate:  
BFC 1.8 Kg / L

Sodium metasilicate pentahydrate:  
Information not available

Tetrasodium ethylene diamine tetraacetate:  
Information not available

Benzisothiazolinone:  
Coeff. octanol/water: 0.76

### 12.4. Mobility in soil

=====  
Related to contained substances:  
2-Butoxyethanol:  
Information not available

Tetrapotassium pyrophosphate:  
Information not available

Sodium metasilicate pentahydrate:  
Information not available

Tetrasodium ethylene diamine tetraacetate:  
Information not available

Benzisothiazolinone:  
Information not available

### 12.5. Results of PBT and vPvB assessment

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

### 12.6. Endocrine disrupting properties

No data available.

### 12.7. Other adverse effects

No adverse effects

Regulation (EC) No 2006/907 - 2004/648

The (l) surfactant (s) content (s) in this preparation complies (comply) with (i) the biodegradability criteria as laid down in Regulation CE/648/2004 on detergents. All data are held at the disposal of the competent authorities of Member States and will be provided, at their direct request or at the request of a detergent manufacturer, to those authorities.

## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Operate according to local or national regulations

## SECTION 14. Transport information

### 14.1. UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 3266

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 1 L per package 30 Kg

Inner packaging placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 1 L per package 20 Kg



### 14.2. UN proper shipping name

ADR/RID/IMDG: LIQUIDO INORGANICO CORROSIVO, BASICO, N.A.S. (Sodio metasilicato pentaidrato in miscela)

ADR/RID/IMDG: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium metasilicate penthaydrate in mixture)

ICAO-IATA: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium metasilicate penthaydrate in mixture)

### 14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 8

ADR/RID/IMDG/ICAO-IATA: Label : 8

ADR: Tunnel restriction code : E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 1 L

IMDG - EmS : F-A, S-B

### 14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: II

#### **14.5. Environmental hazards**

ADR/RID/ICAO-IATA: Product is not environmentally hazardous  
IMDG: Marine polluting agent : No

#### **14.6. Special precautions for user**

The transport must be carried out by authorized vehicles for the transport of dangerous goods in accordance with the requirements of the applicable Edition of the agreement A.D.R. and national provisions. The transport must be carried out in the original packaging and in packages that are made from materials resistant to content and not likely to generate with this dangerous reactions. The process of loading and unloading of dangerous goods have received adequate training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations

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

Transport in bulk is not foreseen

### **SECTION 15. Regulatory information**

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

=====

Related to contained substances:

Tetrapotassium pyrophosphate:

D. Lgs. n. 2/3/1997 52 (classification, packaging and labelling of dangerous substances). Legislative Decree No. 3/14/2003 65 (classification, packaging and labelling of dangerous preparations). Legislative Decree No. 25 2/2/2002 (risks related to chemical agents at work). D.M. 2/26/2004 Work (occupational exposure limits); D.M. 4/3/2007 (implementation of Directive No. 2006/8/EC). Regulation (EC) No 1907/2006 (REACH), Regulation (EC) no 1272/2008 (CLP), Regulation (EC) no 790/2009. Legislative Decree No. 238 September 21, 2005 (Seveso Ter).

Restrictions relating to the product or the substances contained (Annex XVII EC Reg. 1907/2006): not applicable  
Substances in Candidate list (art. 59 EC Reg. 1907/2006): the product does not contain SVHC in percentage = a 0.1 %.

Regulation (EC) 648/04: see point 2.2  
Regulation (EU) 528/2012: see point 2.2  
Regulation (EU) 1169/2011: see point 2.2  
Regulation (EU) 1308/2013; see point 2.2  
Regulation (EC) 1333/2008; see point 2.2  
Regulation (EC) 1332/2008; see point 2.2  
REGULATION (EU) No 1357/2014 - waste:  
HP8 - Corrosive

#### **15.2. Chemical safety assessment**

No chemical safety assessment was carried out by the supplier

## SECTION 16. Other information

### 16.1. Other information

Points modified compared to previous release: 2.3. Other hazards, 7.1. Precautions for safe handling, 8.2. Exposure controls, 9.2.2 Other safety characteristics, 10.3. Possibility of hazardous reactions, 10.4. Conditions to avoid, 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008, 13.1. Waste treatment methods, 14.2. UN proper shipping name, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of hazard statements set out in paragraph 3

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H331 = Toxic if inhaled.

H290 = May be corrosive to metals.

H314 = Causes severe skin burns and eye damage.

H318 = Causes serious eye damage.

H335 = May cause respiratory irritation.

H332 = Harmful if inhaled.

H373 = May cause damage to organs through prolonged or repeated exposure .

H317 = May cause an allergic skin reaction.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008: substantially similar mixture/bridging principle

Main normative references:

Reg. (CE) n. 1907 del 18/12/06 REACH (Registration, Evaluation and Authorisation of CHemicals) et seq.

Reg. (CE) 1272/2008 CLP (Classification Labelling and Packaging) et seq.

Directive 2012/18/EU (on the control of major-accident hazards involving dangerous substances) et seq.

Training required: This document must be submitted to the employer to determine the possible need for appropriate training for workers to ensure protection of human health and the environment.

n.a.: not applicable

n.d.: not available

ADR: Accord européen relative au transport International des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ATE: Acute Toxicity Estimati

BFC: BioconCentration Factor

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstract Service number

CAP: Centre AntiPoison

CE/EC number EINECS (European Inventory of existing Commercial Substances) e ELINCS (European List of notified Chemical Substances)

CL50/LC50: Lethal Concentration 50

DL50/LD50: Lethal Dose 50

COD: Chemical Oxygen Demand

DNEL: Derived No Effect Level

EC50: half maximal Effective Concentration

ERC: Environment Release Classes  
EU/UE: European Union  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
IMDG: International Maritime Dangerous Goods code  
Kow: Octanol water partition coefficient  
NOEC: No Observed Effect Concentration  
OEL: Occupational Exposure Limit  
PBT: Persistent Bioaccumulative and Toxic  
PC: Product Categories  
PNEC: Predicted No Effect Concentration  
PROC: Process Categories  
RID: Règlement concernant le transport International ferroviaire des marchandises dangereuses (Regulations concerning International rail transport of dangerous goods)  
STOT: Target Organ Systemic Toxicity  
STOT (RE): Repeated Exposure  
STOT (SE): Single Exposure  
STP: Sewage Treatment Plants  
SU: Sector of Use  
SVCH: Substance of Very High Concern  
TLV: Threshold Limit Value  
vPvB: Very Persistent Very Bioaccumulative

References and Sources:

- ECHA Registered Substances:  
<https://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>
- SDS raw material supplier
- GESTIS International Limit Value: <http://limitvalue.ifa.dguv.de>

This msds was made in good faith by technical Office on the basis of the information available at the date of the last revision. The person in charge must regularly inform the employees about the specific risks they encounter when using this substance/product. The information contained here relate only to the substance/the preparation indicated and may not apply if the product is used improperly or in combination with others. Nothing contained herein shall be construed as a guarantee, either express or implied. It is the responsibility of the user to ensure the opportunities and completeness of the information contained herein for their own particular use.

\*\*\* this tab annuls and replaces any previous edition. (IIXX)

Changes to the previous edition: documental update

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**SUMI****Safe Use of Mixtures Information****AISE\_SUMI\_IS\_4\_2***Version 1.1, August 2018****Industrial uses; Automated task; Semi-automated task; Dedicated equipment***

*This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.*

**General description of the process covered**

The SUMI applies to industrial uses where products are used in closed process where opportunity for exposure arises. This Safe Use Information is based on the **AISE\_SWED\_IS\_4\_2**.

**Operational Conditions**

<b>Maximum duration</b>	480 minutes per day.
<b>Range of application / Process conditions</b>	Indoor Use. Process carried out at room temperature. In case of dilution, tap water at a maximum temperature of 45°C is used.
<b>Air exchange rate</b>	Provide a basic standard of general ventilation (1 to 3 air changes per hour). No LEV required.

**Risk Management Measures**

<b>Measures related to personal protective equipment (PPE), hygiene and health evaluation</b>	Wear suitable gloves. See section 8 of the SDS of this product for specifications. 
	Training of workers in relation to proper use and maintenance of PPEs must be ensured.
<b>Environmental measures</b>	Prevent that undiluted product reaches surface waters. <b>If appropriate AISE SPERC 8a.1.a.v2 may apply:</b> wide dispersive use resulting in release to municipal sewage treatment plant.

### Additional good practice advice

<p>Don't eat or drink. Don't smoke. Don't use in proximity of open flame.</p>	
<p>Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.</p>	
<p>Spillage instructions</p>	<p>Dilute with fresh water and mop up.</p>
<p>Hygiene practices</p>	<p>Follow the product instructions as specified on the label or in the product information sheet and use good occupational hygiene practices as specified in Section 7 of the product SDS.</p>

### Additional information depending on product composition

The label and (when required) the Safety Data Sheet contain additional, product specific information crucial for working safely with mixtures. Please refer to the product label and SDS for information including, but not limited to: product hazard classification, potentially allergenic fragrances, notable ingredients and threshold limit values (when available).

### Disclaimer

*This is a document for communicating generic conditions of safe use of a product. It is the responsibility of the formulator to link this SUMI to the SDS of a specific product that he is selling.*

*If a SUMI (or associated SWED) code is mentioned in the SDS of a product, the formulator of that product declares that all substances in the mixture are present in such concentration, that the use of the product within the conditions of the SUMI is safe. When available, this safe use is ensured by evaluating the results of the chemical safety assessments as performed by the raw material suppliers. When no chemical safety assessment has been carried out by the supplier for an ingredient that contributes to the classification of the mixture, the formulator has performed a safety assessment himself.*

*Following Occupational Health legislation, the employer of workers that use products that are assessed as safe following SUMI conditions remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product.*

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**SUMI****Safe Use of Mixtures Information****AISE\_SUMI\_IS\_7\_4\_G***Version 1.1, August 2018****Industrial spraying; Automated task; Open system; Long term***

*This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.*

**General description of the process covered**

The SUMI applies to industrial spraying products. This Safe Use Information is based on the AISE\_SWED\_IS\_7\_4.

**Operational Conditions**

<b>Maximum duration</b>	480 minutes per day.
<b>Range of application / Process conditions</b>	Indoor Use. Process carried out at room temperature. In case of dilution, tap water at a maximum temperature of 45°C is used.
<b>Air exchange rate</b>	Provide a basic standard of general ventilation (1 to 3 air changes per hour). No LEV required.

**Risk Management Measures**

<b>Measures related to personal protective equipment (PPE), hygiene and health evaluation</b>	<p>Wear suitable gloves and eye protection. See section 8 of the SDS of this product for specifications.</p>  <p>Training of workers in relation to proper use and maintenance of PPEs must be ensured.</p>
<b>Environmental measures</b>	<p>Prevent that undiluted product reaches surface waters. <b>If appropriate AISE SPERC 8a.1.a.v2 may apply:</b> wide dispersive use resulting in release to municipal sewage treatment plant.</p>

**Additional good practice advice**

<p><b>Don't eat or drink.</b>  <b>Don't smoke.</b>  <b>Don't use in proximity of open flame.</b></p>	
<p><b>Wash hands after use.</b>  <b>Avoid contact with damaged skin.</b>  <b>Do not mix with other products.</b></p>	
<p><b>Spillage instructions</b></p>	<p>Dilute with fresh water and mop up.</p>
<p><b>Hygiene practices</b></p>	<p>Follow the product instructions as specified on the label or in the product information sheet and use good occupational hygiene practices as specified in Section 7 of the product SDS.</p>

**Additional information depending on product composition**

The label and (when required) the Safety Data Sheet contain additional, product specific information crucial for working safely with mixtures. Please refer to the product label and SDS for information including, but not limited to: product hazard classification, potentially allergenic fragrances, notable ingredients and threshold limit values (when available).

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**SUMI****Safe Use of Mixtures Information****AISE\_SUMI\_IS\_8b\_1***Version 1.1, August 2018****Transfer and dilution of concentrated product by using dedicated dosing system***

*This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.*

**General description of the process covered**

This SUMI applies to industrial uses where products are transferred to or diluted in a dedicated dosing system. This Safe Use Information is based on the **AISE\_SWED\_IS\_8b\_1\_L** and **AISE\_SWED\_IS\_8b\_1\_S**

**Operational Conditions**

<b>Maximum duration</b>	60 minutes per day.
<b>Range of application / Process conditions</b>	Indoor Use.
	Process carried out at room temperature.
	In case of dilution, tap water at a maximum temperature of 45°C is used.
<b>Air exchange rate</b>	Provide a basic standard of general ventilation (1 to 3 air changes per hour). No LEV required.

**Risk Management Measures**

<b>Measures related to personal protective equipment (PPE), hygiene and health evaluation</b>	Wear suitable gloves. See section 8 of the SDS of this product for specifications.
	 Training of workers in relation to proper use and maintenance of PPEs must be ensured.
<b>Environmental measures</b>	Prevent that undiluted product reaches surface waters.
	<b>If appropriate AISE SPERC 8a.1.a.v2 may apply:</b> wide dispersive use resulting in release to municipal sewage treatment plant.

**Additional good practice advice**

<p><b>Don't eat or drink.</b></p> <p><b>Don't smoke.</b></p> <p><b>Don't use in proximity of open flame.</b></p>	
<p><b>Wash hands after use.</b></p> <p><b>Avoid contact with damaged skin.</b></p> <p><b>Do not mix with other products.</b></p>	
<b>Spillage instructions</b>	Dilute with fresh water and mop up.
<b>Hygiene practices</b>	Follow the product instructions as specified on the label or in the product information sheet and use good occupational hygiene practices as specified in Section 7 of the product SDS.

**Additional information depending on product composition**

The label and (when required) the Safety Data Sheet contain additional, product specific information crucial for working safely with mixtures. Please refer to the product label and SDS for information including, but not limited to: product hazard classification, potentially allergenic fragrances, notable ingredients and threshold limit values (when available).

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**SUMI**

Informazioni sull'Uso Sicuro delle  
Miscele

**AISE\_SUMI\_IS\_10\_1\_G**

Versione 1.1, agosto 2018

**Applicazione mediante spazzola, pennelli, stracci, spugne, rulli e simili; processo automatizzato**

Questo documento ha lo scopo di comunicare le condizioni per l'uso sicuro del prodotto e deve sempre essere considerato complementare alla Scheda Dati di Sicurezza e all'etichetta.

**Descrizione generale del processo**

Questo SUMI si applica agli usi industriali in cui il prodotto è utilizzato in processi che prevedono l'applicazione mediante spazzola, pennelli, stracci, spugne, rulli e simili. Il SUMI si basa sull'**AISE\_SWED\_IS\_10\_1**.

**Condizioni operative**

<b>Durata massima</b>	480 minuti/giorno
<b>Tipo di applicazione / Condizioni di processo</b>	Al chiuso (indoor) Processo svolto a temperatura ambiente Se il prodotto deve essere diluito, usare acqua corrente alla Temperatura massima di 45°C.
<b>Ricambi d'aria</b>	Nessun LEV richiesto; prevedere ventilazione generale standard base (1-3 ricambi d'aria/ora).

**Misure di gestione del rischio**

<b>Condizioni e misure relative ai Dispositivi di Protezione Individuale (DPI), all'igiene e alla valutazione della salute.</b>	Indossare guanti adatti. Proteggere gli occhi. Vedere sezione 8 della SDS del prodotto per le specifiche. 
	Deve essere assicurato l'addestramento del personale per il corretto uso e la manutenzione dei DPI.
<b>Misure di protezione ambientale</b>	Evitare che sversamenti di prodotto non diluito raggiungano le fogne o le acque superficiali.
	<b>Nel caso si applichi l'AISE SPERC 8a.1.a.v2:</b> uso ampiamente dispersivo che può portare al rilascio all'impianto di trattamento municipalizzato.

### Ulteriori accorgimenti di buona pratica

<p><b>Non bere o mangiare</b>  <b>Non fumare.</b>  <b>Non usare in prossimità di fiamme libere.</b></p>	
<p><b>Lavare le mani dopo l'uso</b>  <b>Evitare il contatto con pelle lesa.</b>  <b>Non miscelare con altri prodotti.</b></p>	
<p><b>In caso di sversamento</b></p>	<p>Sciogliere diluendo con acqua e assorbire con panni, spugne o simili</p>
<p><b>Consigli di igiene</b></p>	<p>Seguire le istruzioni riportate in etichetta o nella scheda tecnica ed usare buone pratiche di igiene occupazionale come specificato nella sez.7 della SDS del prodotto.</p>

### Informazioni aggiuntive dipendenti dalla composizione del prodotto

L'etichetta e (quando richiesta) la Scheda Dati di Sicurezza contengono informazioni cruciali, aggiuntive e specifiche per l'utilizzo sicuro delle miscele.  
 Far riferimento all'etichetta e alla Scheda Dati di Sicurezza del prodotto, particolarmente per le informazioni riguardanti: classificazione di pericolo del prodotto, fragranze potenzialmente allergeniche, ingredienti significativi e valori limite di esposizione (quando disponibili).

#### Avvertenza

*Questo è un documento per comunicare le condizioni generiche di uso sicuro per un prodotto. È responsabilità del formulatore allegare questo SUMI alla SDS del prodotto specifico che sta immettendo sul mercato.*

*Se nella SDS viene menzionato il codice di un SUMI (o dello SWED associato) il formulatore del prodotto dichiara che tutte le sostanze contenute nella miscela sono presenti in concentrazione tale per cui l'uso del prodotto è sicuro. Quando disponibile, l'uso sicuro del prodotto è garantito dalla valutazione dei risultati del CSA "Chemical Safety Assessment" effettuato da parte del fornitore delle materie prime. Nel caso in cui non sia stato effettuato un CSA da parte del fornitore, il formulatore ha effettuato esso stesso la valutazione di sicurezza degli ingredienti che contribuiscono alla pericolosità.*

*In accordo alla legislazione sulla salute del Lavoro, il datore di lavoro che utilizza prodotti valutati sicuri seguendo le condizioni del SUMI, rimane responsabile di comunicare agli impiegati le rilevanti informazioni di utilizzo. Quando si sviluppano le istruzioni per i lavoratori, i SUMI dovrebbero essere sempre considerati in combinazione con le SDS e le etichette dei prodotti.*

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**SUMI****Safe Use of Mixtures Information****AISE\_SUMI\_IS\_13\_3\_G***Version 1.1, August 2018****Industrial uses; Treatment of articles by dipping or pouring***

*This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.*

**General description of the process covered**

This SUMI applies to industrial uses where articles are treated by dipping or pouring. This Safe Use Information is based on the **AISE\_SWED\_IS\_13\_3**.

**Operational Conditions**

<b>Maximum duration</b>	480 minutes per day.
<b>Range of application / Process conditions</b>	Indoor Use. Process carried out at room temperature. In case of dilution, tap water at a maximum temperature of 45°C is used.
<b>Air exchange rate</b>	Provide a basic standard of general ventilation (1 to 3 air changes per hour). No LEV required.

**Risk Management Measures**

<b>Measures related to personal protective equipment (PPE), hygiene and health evaluation</b>	Wear suitable gloves and eye protection. See section 8 of the SDS of this product for specifications. 
	Training of workers in relation to proper use and maintenance of PPEs must be ensured.
<b>Environmental measures</b>	Prevent that undiluted product reaches surface waters.
	<b>If appropriate AISE SPERC 8a.1.a.v2 may apply:</b> wide dispersive use resulting in release to municipal sewage treatment plant.

**Additional good practice advice**

<p><b>Don't eat or drink.</b>  <b>Don't smoke.</b>  <b>Don't use in proximity of open flame.</b></p>	
<p><b>Wash hands after use.</b>  <b>Avoid contact with damaged skin.</b>  <b>Do not mix with other products.</b></p>	
<p><b>Spillage instructions</b></p>	<p>Dilute with fresh water and mop up.</p>
<p><b>Hygiene practices</b></p>	<p>Follow the product instructions as specified on the label or in the product information sheet and use good occupational hygiene practices as specified in Section 7 of the product SDS.</p>

**Additional information depending on product composition**

The label and (when required) the Safety Data Sheet contain additional, product specific information crucial for working safely with mixtures. Please refer to the product label and SDS for information including, but not limited to: product hazard classification, potentially allergenic fragrances, notable ingredients and threshold limit values (when available).

**Disclaimer**

*This is a document for communicating generic conditions of safe use of a product. It is the responsibility of the formulator to link this SUMI to the SDS of a specific product that he is selling.*

*If a SUMI (or associated SWED) code is mentioned in the SDS of a product, the formulator of that product declares that all substances in the mixture are present in such concentration, that the use of the product within the conditions of the SUMI is safe. When available, this safe use is ensured by evaluating the results of the chemical safety assessments as performed by the raw material suppliers. When no chemical safety assessment has been carried out by the supplier for an ingredient that contributes to the classification of the mixture, the formulator has performed a safety assessment himself.*

*Following Occupational Health legislation, the employer of workers that use products that are assessed as safe following SUMI conditions remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product.*

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# WORKING ISTRUCTION TABLE



This tab provides instructions for appropriate and safe use of products and proper management of emergency situations for cleaning staff/users.

Attached to MSDS rel#12 11/14/2023

<b>Use description</b>	Use in batch and other process (syn- thesis) where opportunity for exposure arises [PROC4], Industrialspraying [PROC7], Transfer of substance or mixture (charging and discharging) at dedicated facilities [PROC8B], ABrushing / scrubbing after spray application (trigger) or brushing / scrubbing with tools [PROC10]Treatment of articles by dipping and pouring [PROC13]
<b>Product name</b>	<b>ECOCLEAN</b>
<b>Classification of the product (100%)</b>	H290 - May be corrosive to metals. H314 - Causes severe skin burns and eye damage. H318 - Causes serious eye damage. EUH208- Contains Benzisothiazolinone. May produce an allergic reaction.
<b>Classification of the diluted product (maximum use concentration)</b>	At maximux concentration of use (10%, tq) the product is classified: H314 - Causes severe skin burns and eye damage. H318 - Causes serious eye damage.
<b>Handling of the product (100%)</b>	Do not breathe vapours/spray. Wear protective gloves/clothing and eye/face protection. At work do not eat or drink.
<b>Handling of the diluted product</b>	Wear protective gloves/clothing and eye/face protection. At work do not eat or drink.
<b>DPI required concentrated product (racking, concentrated use, spillage...)</b>	Chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3), safety glasses (EN 166).
<b>Diluted product</b>	Chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3), safety glasses (EN 166).

In case of emergency (accidents involving exposure to the product)	Immediately inform the customer. Immediately inform the employer. Contact Poisons Centres tel. number in 1.4 section of the MSDS
Accidental release large quantities measures: concentrated product	Wear gloves, mask and protective clothing (for specifications refer to section 8.2. SDS) Possibly absorb it with inert materia or sucked it. After wiping up, wash with water the area and materials involved
Diluted product	Wear gloves and protective clothing (for specifications refer to section 8.2. SDS). Wash with water the area and materials involved
Storage of the product	Keep in original container closed tightly. Do not store in open or unlabelled containers. Keep containers upright and safe by avoiding the possibility of falls or collisions. Store in a cool and dry place, away from heat sources and direct exposure to sunlight.
In case of accidents, emergency or fire	Immediately inform the customer. Follow company emergency instruction.