

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

1.1. Product identifier

Product name : SANIM AM

Product code: refer to sales department

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

Mild detergent

Sectors of use:

Industrial Manufacturing[SU3], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Product category:

Washing and Cleaning Products (including solvent based products)

Process categories:

Transfer of substance or mixture (charging and discharging) at nondedicated facilities[PROC8A], Transfer of substance or mixture (charging and discharging) at dedicated facilities[PROC8B], Treatment of articles by dipping and pouring[PROC13], Application with rollers or brushes [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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1.4. Emergency telephone number

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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, GHS07

Hazard Class and Category Code(s):

Skin Irrit. 2, Eye Dam. 1

Hazard statement Code(s):

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

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):

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

Supplemental Hazard statement Code(s):

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

Precautionary statements:

Prevention

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

Response



P302+P352 - IF ON SKIN: Wash with plenty of water.
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:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine; alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO).

Contains (Reg.EC 648/2004):

15% < 30% anionic surfactants

Preservatives: Benzisothiazolinone

2.3. Other hazards

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

The use of this chemical agent involves the obligation of "risk assessment" by the employer in accordance with the provisions of Dlgs n. 81. April 9, 2008. Workers exposed to this chemical agent should not be subject to health surveillance if the results of the risk assessment show that, depending on the type and quantity of dangerous chemical agent and method and frequency of exposure to the agent, there is only a "moderate Risk" for the health and safety of workers and that the measures laid down in the Decree are sufficient to reduce the risk.

For professional use only

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	Classification	Index	CAS	EINECS	REACH
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	> 10 <= 20%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 3, H412		68411-30-3	270-115-0	miscela ionica
Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine	>= 1 <= 5%	Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Chronic 3, H412		121617-08-1		miscela ionica
Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO)	> 1 <= 5%	Skin Corr. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 3, H412		68891-38-3	500-234-8	01-2119488 639-16-XXX X
2,2',2"-nitrilotrietanolo substance for which there are Community workplace exposure limits	> 0,1 <= 1%			102-71-6	203-049-8	01-2119486 482-31-XXX X
diethanolamine substance for which there are Community workplace exposure	> 0,1 <= 1%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318;	603-071-00-1	111-42-2	203-868-0	01-2119488 930-28-XXX X

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
limits		STOT RE 2, H373				
Benzisothiazolinone	$\geq 0,005 \leq 0,1\%$	Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318; Aquatic Acute 1, H400 Acute toxicity M-factor = 10	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

Inhalation:

Ventilate the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Take off immediately contaminated clothing.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

In case of contact with skin, wash immediately with water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or medicinal mineral vaseline oil.

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

No data available.

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

If skin irritation occurs: Get medical advice/attention.

Immediately call a POISON CENTER or a doctor.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suggested extinguishing media:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing media to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus
Safety helmet and full protective clothing.
The water spray can be used to protect the people involved in the extinction.
You may also use self-contained breathing apparatus, especially when working in confined and poorly ventilated areas and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)
Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:
Leave the area surrounding the spill or release. Do not smoke
Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:
Eliminate all unguarded flames and possible sources of ignition. No smoking.
Provide a sufficient ventilation.
Evacuate the danger area and, in case, 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:
None in particular.

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/protective clothing/eye protection/face protection.
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:
Handle with extreme caution.
Store between 7 and 30 °C away from heat sources.

Public domain (administration, education, entertainment, services, craftsmen):
Handle with caution.
Store between 7 and 30 °C and away from heat sources. Keep container tightly closed.

See the annex exposure scenario.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

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Related to contained substances:

2,2',2"-nitritotrietanolo:

Limit value - Eight hours
(ppm)/(mg/m³)

Australia: x/5

Austria: x/5 inhalable aerosol

Belgium: x/5

Canada – Ontario: 0,5/3,1

Canada - Québec: x/5

Denmark: 0,5/3,1

Finland: x/5

Germany (DFG): x/5(1)

Ireland: x/5

New Zealand: x/5

Singapore: x/5

Spain: x/5

Sweden: 0,8/5

Switzerland: x/5 inhalable aerosol

Limit value - Short term
(ppm)/(mg/m³)

Austria: 0,16/10 (1)

Denmark: 1/6,2

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

Sweden: 1,6(1)/10(1)

Switzerland: x/20 inhalable aerosol

Remarks:

Germany (DFG): (1) Inhalable fraction (2) 15 minutes average value

Sweden: (1) Short term value, 15 minutes average value

diethanolamine:

Limit value - Eight hours
(ppm)/(mg/m³)

Australia: 3/13
Austria: 0,46/2
Belgio: 0,46/2
Canada – Ontario: x/1 (1)
Canada - Québec: 3/13
Denmark: 0,46/2
Finland: 0,46/2
France: 3/15
Germany (DFG): x/1 (1)
Ireland: x/1 (1)
New Zealand: 3/13
Poland: x/9
Singapore: 0,46/2
South Korea: 0,46/2
Spain: 0,46/2
Sweden: 3/5
Switzerland: x/1 respirable aerosol
USA - NIOSH: 3/15
United Kingdom: :[3]/[13]

Limit value - Short term
(ppm)/(mg/m³)

Austria: 0,92/4
Denmark: 0,92/4
Germany (DFG): x/1 (1)(2)
Sweden: 6 (1)/30 (1)
Sweden: 3/5
Switzerland: x/1 rinhalable aerosol

Canada – Ontario: (1) Inhalable aerosol and vapour
Germany (DFG): (1) Inhalable fraction and vapour (2) 15 minutes reference period
Ireland: (1) Inhalable fraction and vapour
Spain: skin
Sweden: (1) Short-term value, 15 minutes average value
United Kingdom: The UK Advisory Committee on Toxic Substances has expressed concern that, for the OELs shown in parentheses, health may not be adequately protected because of doubts that the limit was not soundly-based. These OELs were included in the published UK 2002 list and its 2003 supplement, but are omitted from the published 2005 list

- Substance: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts
DNEL

Systemic effects Long term Workers inhalation = 6 (mg/m³)
Systemic effects Long term Workers dermal = 85 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 1,5 (mg/m³)
Systemic effects Long term Consumers dermal = 42,5 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 0,425 (mg/kg bw/day)
Local effects Long term Workers inhalation = 12
Local effects Short term Consumers inhalation = 3 (mg/m³)
PNEC

Sweet water = 0,268 (mg/l)
sediment Sweet water = 8,1 (mg/kg/sediment)
Sea water = 0,0268 (mg/l)
sediment Sea water = 6,8 (mg/kg/sediment)

intermittent emissions = 0,0167 (mg/l)
STP = 3,43 (mg/l)
ground = 35 (mg/kg ground)

- Substance: Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine
DNEL

Systemic effects Long term Workers inhalation = 4,1 (mg/m³)
Systemic effects Long term Workers dermal = 5,29 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 1,01 (mg/m³)
Systemic effects Long term Consumers dermal = 1,2 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 0,58 (mg/kg bw/day)

PNEC

Sweet water = 0,268 (mg/l)
sediment Sweet water = 8,1 (mg/kg/sediment)
Sea water = 0,0268 (mg/l)
sediment Sea water = 8,1 (mg/kg/sediment)
intermittent emissions = 0,268 (mg/l)
STP = 7 (mg/l)
ground = 35 (mg/kg ground)

- Substance: Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO)

DNEL

Systemic effects Long term Workers inhalation = 175 (mg/m³)
Systemic effects Long term Workers dermal = 2750 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 52 (mg/m³)
Systemic effects Long term Consumers dermal = 1650 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 15 (mg/kg bw/day)
Local effects Long term Workers dermal = 0,132 (mg/kg bw/day)
Local effects Long term Consumers dermal = 0,079 (mg/kg bw/day)

PNEC

Sweet water = 0,24 (mg/l)
sediment Sweet water = 0,9168 (mg/kg/sediment)
Sea water = 0,024 (mg/l)
sediment Sea water = 0,09168 (mg/kg/sediment)
intermittent emissions = 0,071 (mg/l)
STP = 10000 (mg/l)
ground = 7,5 (mg/kg ground)

- Substance: 2,2',2"-nitrilotriethanol

DNEL

Systemic effects Long term Workers inhalation = 5 (mg/m³)
Systemic effects Long term Workers dermal = 6,3 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 1,25 (mg/m³)
Systemic effects Long term Consumers dermal = 3,1 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 13 (mg/kg bw/day)
Local effects Long term Workers inhalation = 5
Local effects Long term Consumers inhalation = 1,25 (mg/m³)

PNEC

Sweet water = 0,32 (mg/l)
sediment Sweet water = 1,7 (mg/kg/sediment)
Sea water = 0,032 (mg/l)
sediment Sea water = 0,17 (mg/kg/sediment)
intermittent emissions = 5,12 (mg/l)
STP = 10 (mg/l)
ground = 0,151 (mg/kg ground)

- Substance: diethanolamine

DNEL

Systemic effects Long term Workers dermal = 0,13 (mg/kg bw/day)

Systemic effects Long term Consumers dermal = 0,07 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 0,06 (mg/kg bw/day)

Local effects Long term Workers inhalation = 1

Local effects Long term Consumers inhalation = 0,25 (mg/m³)

PNEC

Sweet water = 0,02 (mg/l)

sediment Sweet water = 0,092 (mg/kg/sediment)

Sea water = 0,002 (mg/l)

sediment Sea water = 0,0092 (mg/kg/sediment)

STP = 100 (mg/l)

ground = 0,007 (mg/kg ground)

- Substance: Benzisothiazolinone

DNEL

Systemic effects Long term Workers inhalation = 6,81 (mg/m³)

Systemic effects Long term Workers dermal = 0,966 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 1,2 (mg/m³)

Systemic effects Long term Consumers dermal = 0,345 (mg/kg bw/day)

PNEC

Sweet water = 0,011 (mg/l)

sediment Sweet water = 0,0499 (mg/kg/sediment)

Sea water = 0,001 (mg/l)

sediment Sea water = 0,00499 (mg/kg/sediment)

STP = 1,03 (mg/l)

ground = 10 (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)

Public domain (administration, education, entertainment, services, craftsmen):

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

When handling the pure product use safety glasses (EN 166).

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3) unless otherwise provided by the employer and / or assessments of environmental investigations hygienistic

(ii) Other

During working operation wear protective clothing (generic workwear / antacid, safety shoes or other protective equipment) according to the instructions of the employer

(c) Respiratory protection

Not needed for normal use

In case of insufficient ventilation or emergency, use mask with gas filters and organics vapors - Brown , Class 3 , A (EN 405) unless otherwise provided by the employer and / or assessments of environmental investigations hygienistic

(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.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Viscous liquid	
Odour	not determined as considered not relevant for the characterization of the product	
Odour threshold	not determined as considered not relevant for the characterization of the product	
pH	7,5 ± 0.5 (20°C)	
Melting point/freezing point	not determined as considered not relevant for the characterization of the product	
Initial boiling point and boiling range	not determined as considered not relevant for the characterization of the product	
Flash point	not determined as considered not relevant for the characterization of the product	
Evaporation rate	not determined as considered not relevant for the characterization of the product	
Flammability (solid, gas)	not determined as considered not relevant for the characterization of the product	
Upper/lower flammability or explosive limits	not determined as considered not relevant for the characterization of the product	
Vapour pressure	not determined as considered not relevant for the characterization of the product	
Vapour density	not determined as considered not relevant for the characterization of the product	
Relative density	1,05 ± 0,05 (20°C)	
Solubility	in water	
Water solubility	miscible in all proportions	
Partition coefficient: n-octanol/water	not determined as considered not relevant for the characterization of the product	
Auto-ignition temperature	not determined as considered not relevant for the characterization of the product	
Decomposition temperature	not determined as considered not relevant for the characterization of the product	
Viscosity	600-800 cps (20°C)	
Explosive properties	not determined as considered not relevant for the characterization of the product	
Oxidising properties	not determined as considered not relevant for the characterization of the product	

Physical and chemical properties	Value	Determination method
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9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

None to report

10.5. Incompatible materials

It can generate flammable gases in contact with elementary metals, nitrides, inorganic sulfides, strong reducing agents.
It can generate toxic gases in contact with inorganic sulfides, strong reducing agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 8.004,2 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

(a) acute toxicity: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: LD50 rat (mg / kg / 24h bw): 1080
Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> 2000

Inhalation - LD50 rat (mg / l / 4h): nd

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: LD50 rat (mg / kg / 24h bw): 2925
Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> 2000

Inhalation - LD50 rat (mg / l / 4h): nd

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Ingestion - LD50 rat (mg / kg / 24h bw):> 2000

Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> 2000

Inhalation - LD50 rat (mg / l / 4h): nd

2,2',2"-nitrilotrietanolo: LD50 rat (mg / kg / 24h bw): 6400

Skin contact - LC50 rat / rabbit (mg / kg / 24h bw): na

Inhalation - LD50 rat (mg / l / 4h):> 2000

diethanolamine: LD50 rat (mg / kg / 24h bw): 1600

Skin contact LC50 rat / rabbit (mg / kg / 24h bw): na

Inhalation - LD50 rat (mg / l / 4h): Inhalation risk test : Inhalation of a highly saturated vapor-air mixture does not represent an acute risk (no mortality within 8 hours).

Benzisothiazolinone: Ingestion - LD50 rat (mg / kg / 24h bw): 670

Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> 2000

(b) skin corrosion/irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not corrosive

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not corrosive

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Corrosive

2,2',2"-nitrilotrietanolo: Not corrosive

diethanolamine: Not corrosive

Benzisothiazolinone: Corrosive

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Irritating

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not irritating

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Irritating

2,2',2"-nitrilotrietanolo: Not irritating

diethanolamine: Irritating

Benzisothiazolinone: Irritating

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

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not corrosive

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Corrosive

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Corrosive

2,2',2"-nitrilotrietanolo: Not corrosive

diethanolamine: Corrosive

Benzisothiazolinone: Corrosive

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Irritating

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Irritating

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Irritating

2,2',2"-nitrilotrietanolo: Not irritating

diethanolamine: Irritating

Benzisothiazolinone: Irritating

(d) respiratory or skin sensitization: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not sensitizing

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not sensitizing

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Not sensitizing

2,2',2"-nitrilotrietanolo: Not sensitizing

diethanolamine: Not sensitizing

Benzisothiazolinone: Sensitizing

(e) germ cell mutagenicity: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not mutagenic

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not mutagenic

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Not mutagenic

2,2',2"-nitrilotrietanolo: Not mutagenic

diethanolamine: Not mutagenic

Benzisothiazolinone: Non-mutagenic

(f) carcinogenicity: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not carcinogenic

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Scientifically unjustified study

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Not carcinogenic

2,2',2"-nitrilotrietanolo: Not available

diethanolamine: Not carcinogenic

Benzisothiazolinone: Not available

(g) reproductive toxicity: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not toxic for reproduction
Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not toxic for reproduction
Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Non-toxic for reproduction
2,2',2''-nitrilotrietanolo: Not toxic
diethanolamine: Not toxic
Benzisothiazolinone: Not available
(h) specific target organ toxicity (STOT) single exposure: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not available
Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not available
Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Non-toxic for single exposure
2,2',2''-nitrilotrietanolo: Not toxic
diethanolamine: Not toxic
Benzisothiazolinone: Not available
(i) specific target organ toxicity (STOT) repeated exposure: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not available
Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not available
Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Non-toxic for repeated exposure
2,2',2''-nitrilotrietanolo: Not toxic
diethanolamine: Toxic for repeated exposure to liver, blood and kidneys with oral route
Benzisothiazolinone: Not available
(j) aspiration hazard: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not available
Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not available
Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO): Not available
2,2',2''-nitrilotrietanolo: Not available
diethanolamine: Not available
Benzisothiazolinone: Not available

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Related to contained substances:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:
LD50 (rat) Oral (mg/kg body weight) = 1080

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine:
LD50 (rat) Oral (mg/kg body weight) = 2925

2,2',2''-nitrilotrietanolo:
LD50 (rat) Oral (mg/kg body weight) = 6400

diethanolamine:
LD50 (rat) Oral (mg/kg body weight) = 1600

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

SECTION 12. Ecological information

12.1. Toxicity

=====

Related to contained substances:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:

Aquatic toxicity:

LC50 / 48 h 1 - 10 mg / l (Daphnia magna)
EC50 / 96 h 10 - 100 mg / l (Pseudokirchneriella subcapitata)
LC50 / 96 h 1 - 10 mg / l (Iepomis macrochirus fisch) NOEC 0.268 mg / l

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine:
Acute toxicity - LC50 (mg / l / 96h): 5,7-5,9
Acute toxicity - crustaceans EC50 (mg / l / 48h): 10,6-18,8

Acute algae ErC50 (mg / l / 72 -96h): 52.8
C(E)L50 (mg/l) = 5,7
NOEC (mg/l) = 0,63

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO):
CL50 Brachydanio rerio (zebra or zebra fish):> 1 - 10 mg / l
NOEC (28 d) Oncorhynchus mykiss (rainbow trout): 0.14 mg / l;
EC50 (48 h) Daphnia magna (Water flea):> 1 - 10 mg / l
NOEC (21 d) Daphnia magna (Water flea): 0.27 mg / l;
NOEC (72h) Desmodesmus subspicatus (green algae): 0.93 mg / l
EC50 (72 h) Desmodesmus subspicatus (green algae):> 10 - 100 mg / l
EC10 Pseudomonas putida:> 10,000 mg / l;
NOEC (56d) Eisenia fetida (earthworms): 750 mg / kg
C(E)L50 (mg/l) = 1
NOEC (mg/l) = 0,14

2,2',2"-nitrotrietanololo:

Acute toxicity - LC50 fish (mg / l / 96h): 11800
Acute toxicity - crustaceans EC50 (mg / l / 48h): 609.88
Acute algae toxicity ErC50 (mg / l / 72-96h): 512
Chronic toxicity - NOEC fish (mg / L):
Chronic Toxicity - NOEC crustaceans (mg / l):
Chronic NOE toxicity (mg / l):

diethanolamine:

Acute toxicity - LC50 (mg / l / 96h): 1,460 -i Pimephales promelas (static)
Acute toxicity - EC50 crust (mg / l / 48h): 55 - Daphnia magna
Acute algae ErC50 (mg / l / 72-96h) : Mg / l: NO (mg / l): 2.2 (growth rate) - Pseudokirchneriella subcapitata
Chronic toxicity - NOEC fish (mg / l): na
Chronic toxicity - NOEC (mg / l) crustaceans:
C(E)L50 (mg/l) = 1480

Benzisothiazolinone:

Acute toxicity - fish LC50 (mg / l / 96h): 2.18 Oncorhynchus mykiss - Method: OECD Test Guideline 203
Acute toxicity - crustaceans EC50 (mg / l / 48h): 2.94 Daphnia magna - Method test, Directive 92/69 / EEC.
Acute toxicity ErC50 algae (mg / l / 72-96h): 0.15 Selenastrum capricornutum - Type of test: Growth inhibitor
Chronic toxicity - NOEC fish (mg / l 28 die): 0.3 Oncorhynchus mykiss - Type of test: Growth inhibitor
Chronic toxicity - crustaceans NOEC (mg / l / 21d): 1.7 Daphnia magna - Type of test: Reproduction test - Method: OECD TG 211
Chronic toxicity algae NOEC (mg / l): nd
Toxicity to organisms soil living EC50 (mg / kg / 14d):> 410.6 Fetid Eisenia Method: OECD TG 207
Toxicity for living organisms in the soil EC50 (mg / kg / 28d): 263.7 Method: OECD TG 216
Acute toxicity M-factor = 10

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

12.2. Persistence and degradability

=====

Related to contained substances:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:

Readily biodegradable

Other information value: = 90%% source: OECD 303A value> 60 OECD 301B; ISO 9439.92 / 69 / EWG, C.4-C 28 days

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine:

Easily biodegradable

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO):
Rapidly biodegradable .; > 70%; 28 d; aerobic; OECD TG 301 A

2,2',2"-nitrilotriethanol:
CO₂ evolution: 100% after 5 days DOC removal: 96% after 19 days easily biodegradable "

diethanolamine:
BOD consumption: 93% after 28 days - easily biodegradable

Benzisothiazolinone:
Quickly biodegradable

12.3. Bioaccumulative potential

=====

Related to contained substances:

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine:
Not bioaccumulable

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO):
Not bioaccumulative

2,2',2"-nitrilotriethanol:
Bioaccumulative potential bioaccumulation potential (LogKow); -1,94 Bioaccumulation Potential (BCF): <0.4

diethanolamine:
Based on the n-octanol / water partition coefficient (log Pow), no accumulation is expected in the organisms.

Benzisothiazolinone:
Unlikely bioaccumulation

12.4. Mobility in soil

=====

Related to contained substances:

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine:
Constant of Henry Law (H): $7.19 \times 10^{-9} \text{ Pa} \cdot \text{m}^3 / \text{mol}$

Alcohols, C12-14, etoxylated, sulfates, sodium salts (<2.5 EO):
Very mobile in soils Adsorption / Soil; Koc: 2.2

2,2',2"-nitrilotriethanol:
Constant of Henry Law (H): $7.19 \times 10^{-9} \text{ Pa} \cdot \text{m}^3 / \text{mol}$ Log Koc = 1.24 "

diethanolamine:
The substance does not evaporate in the atmosphere from the surface of the water. Constant Henry Law (H): $0.000004 \text{ Pa} \cdot \text{m}^3 / \text{mol}$ log Koc = -1.14 Solid phase solid phase absorption is not foreseeable

Benzisothiazolinone:
Not available

12.5. Results of PBT and vPvB assessment

The substance / mixture does NOT contain substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

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

The (I) 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

Not included in the field of application of regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Transport in bulk is not foreseen

SECTION 15. Regulatory information

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

Restrictions relating to the product or contained substances (All. XVII Reg. EC 1907/2006): not applicable
Substances in Candidate List (art. 59 Reg. EC 1907/2006): the product does not contain SVHC
Substances subject to authorisation (Ann. XIV Reg. CEC 1907/2006): the product does not contain SVHC
Reg. EC 648/04: see 2.2
Reg. (EU) n. 1169/2011: see 2.2

REGULATION (EU) No 1357/2014 - waste:
HP4 - Irritant — skin irritation and eye damage

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: 2.2. Label elements

Description of hazard statements set out in paragraph 3

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H412 = Harmful to aquatic life with long lasting effects.

H314 = Causes severe skin burns and eye damage.

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

H317 = May cause an allergic skin reaction.

H400 = Very toxic to aquatic life.

Classification based on data of all mixture components

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.

Regulation (EC) n. 648 of 31/03/04 (on detergents) et seq.

Regulation (UE) n. 1169/2011 (on the provision of food information to consumers)

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

Procedure used to classify under CLP mixture (Reg . EC 1272/2008): Other hazards: Calculation Method

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 supplier
- GESTIS DNEL Database: <http://www.dguv.de/ifa/gestis/gestis-dnel-datenbank/index-2.jsp>
- GESTIS International Limit Value: <http://limitvalue.ifa.dguv.de>

This msds was made in good faith by AEB 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: label elements variation, exposure scenario updating

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

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

Risk Management Measures

Measures related to personal protective equipment (PPE), hygiene and health evaluation	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.
Environmental measures	Prevent that undiluted product reaches surface waters.
	If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant.

Additional good practice advice

Don't eat or drink. Don't smoke. Don't use in proximity of open flame.	
Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.	
Spillage instructions	Dilute with fresh water and mop up.
Hygiene practices	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).

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_10_1_G***Version 1.1, August 2018****Brushing; Automated task***

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 the product is used in an automated brushing task. This Safe Use Information is based on the **AISE_SWED_IS_10_1**.


Operational Conditions

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

Risk Management Measures

Measures related to personal protective equipment (PPE), hygiene and health evaluation	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.
Environmental measures	Prevent that undiluted product reaches surface waters.
	If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant.

Additional good practice advice

Don't eat or drink. Don't smoke. Don't use in proximity of open flame.	
Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.	
Spillage instructions	Dilute with fresh water and mop up.
Hygiene practices	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).

Disclaimer

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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

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

Risk Management Measures

Measures related to personal protective equipment (PPE), hygiene and health evaluation	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.
Environmental measures	Prevent that undiluted product reaches surface waters.
	If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant.

Additional good practice advice

Don't eat or drink. Don't smoke. Don't use in proximity of open flame.	
Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.	
Spillage instructions	Dilute with fresh water and mop up.
Hygiene practices	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).

Disclaimer

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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_PW_8a_1_G***Version 1.1, August 2018****Transfer of product to a container (bottle/bucket/machine)***

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 professional uses where the product is transferred to or diluted in a container, such as a dispenser, bottle or bucket. Safe Use Information is based on the **AISE_SWED_PW_8a_1_L** and **AISE_SWED_PW_8a_1_S**.

Operational Conditions

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

Risk Management Measures

Measures related to personal protective equipment (PPE), hygiene and health evaluation	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.
Environmental measures	Prevent that undiluted product reaches surface waters.
	If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant.

Additional good practice advice

Don't eat or drink. Don't smoke. Don't use in proximity of open flame.	
Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.	
Spillage instructions	Dilute with fresh water and mop up.
Hygiene practices	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).

Disclaimer

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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_PW_10_2_G***Version 1.1, August 2018****Professional uses; Brushing after trigger spraying or brushing with tools***

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 professional uses where the product is brushed on a surface, with limited exposure to the hands, either after trigger spraying or through the use of tools such as a mop. This Safe Use Information is based on the **AISE_SWED_PW_10_2**.


Operational Conditions

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

Risk Management Measures

Measures related to personal protective equipment (PPE), hygiene and health evaluation	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.
Environmental measures	Prevent that undiluted product reaches surface waters.
	If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant.

Additional good practice advice

Don't eat or drink. Don't smoke. Don't use in proximity of open flame.	
Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.	
Spillage instructions	Dilute with fresh water and mop up.
Hygiene practices	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).

Disclaimer

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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_PW_13_1_G***Version 1.1, August 2018****Professional uses - Treatment of articles by dipping, soaking 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 professional uses where articles are treated by dipping or pouring. This Safe Use Information is based on the **AISE_SWED_PW_13_1**.

Operational Conditions

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

Risk Management Measures

Measures related to personal protective equipment (PPE), hygiene and health evaluation	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.
Environmental measures	Prevent that undiluted product reaches surface waters.
	If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant.

Additional good practice advice

Don't eat or drink. Don't smoke. Don't use in proximity of open flame.	
Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.	
Spillage instructions	Dilute with fresh water and mop up.
Hygiene practices	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).

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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