

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

1.1. Product identifier

Product name : NETOREL

Product code: refer to sales department

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

Detergent

Sectors of use:

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

Product category:

Washing and Cleaning Products (including solvent based products)

Process categories:

Industrial spraying[PROC7], Transfer of substance or mixture (charging and discharging) at dedicated facilities[PROC8B], Application with rollers or brushes [PROC10], Treatment of articles by dipping and pouring [PROC13]

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, 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):

not applicable

Precautionary statements:

Prevention

P280 - Wear protective gloves and eye/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; Sodium coceth sulfate; benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine.

Contains (Reg.EC 648/2004):
15% < 30% anionic surfactants, < 5% Parfum
Preservatives: Sodium benzoate.

2.3. Other hazards

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

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
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	>= 10 < 15%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 3, H412 Chronic toxicity M-factor = 1 ATE(mix) oral = 1.080,0 mg/kg		68411-30-3	270-115-0	ionic mixture
Sodium coceth sulfate	>= 1 < 5%	Skin Corr. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 3, H412 Limits: Eye Dam. 1, H318 %C >=10; Eye Irrit. 2, H319 5< %C <10; Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1		68891-38-3	500-234-8	01-2119488 639-16-XXX X
Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine	>= 1 < 3%	Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Chronic 3, H412 Limits: Skin Corr. 1C, H314 %C >=50; Skin		121617-08-1	939-464-2	ionic mixture

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
		Irrit. 2, H315 1<= %C <50; Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1				
Citral	>= 0 < 0.5%	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319	605-019-00-3	5392-40-5	226-394-6	01-2119462 829-23-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, dust and water spray.

MEANS OF EXTINCTION NOT SUITABLE

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 the complete fire protection equipment. Collect extinguishing water that 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 boots for Firefighters (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:

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.

6.2. 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. Disposal of the 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 and eye/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 in a well ventilated place away from heat sources. (7-30°C)

Manufacture of food products:
Handle with care.
Store in a clean, dry, ventilated area away from heat and direct sunlight.
Keep container tightly closed. (7-30°C)

See the annex exposure scenario.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

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Related to contained substances:

Citral:

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

OEL EU: x/5

- 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 (mg/m³)

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: Sodium coceth sulfate

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)

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: 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 = 0,027 (mg/l)
sediment Sea water = 8,1 (mg/kg/sediment)
STP = 7 (mg/l)
ground = 35 (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

Wear protective goggles (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)

(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 organic vapors - Brown, Class 3, A (EN 405) unless otherwise provided by the employer and / or assessments of environmental investigations hygienistic. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements (89/656/EEC, 245/2016 UE), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

(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	
Colour	yellow	
Odour	lemon	
Odour threshold	not determined because it is considered not relevant for characterization of the product	
pH	8,5 ± 0,5 (20°C); 7,5 ± 0,5 (20°C; sol. 3%)	
Melting point/freezing point	not determined because it is considered not relevant for characterization of the product	
Initial boiling point and boiling range	not determined because it is considered not relevant for characterization of the product	
Flash point	not determined because it is considered not relevant for characterization of the product	
Evaporation rate	not determined because it is considered not relevant for characterization of the product	
Flammability (solid, gas)	not determined because it is considered not relevant for characterization of the product	
Upper/lower flammability or explosive limits	not determined because it is considered not relevant for characterization of the product	
Vapour pressure	not determined because it is considered not relevant for characterization of the product	
Vapour density	not determined because it is considered not relevant for characterization of the product	
Relative density	0,95 - 1,1 (20°C)	
Solubility	not determined because it is considered not relevant for characterization of the product	
Water solubility	not determined because it is considered not relevant for characterization of the product	

Physical and chemical properties	Value	Determination method
Partition coefficient: n-octanol/water	not determined because it is considered not relevant for characterization of the product	
Auto-ignition temperature	not determined because it is considered not relevant for characterization of the product	
Decomposition temperature	not determined because it is considered not relevant for characterization of the product	
Viscosity	not determined because it is considered not relevant for characterization of the product	
Explosive properties	not determined because it is considered not relevant for characterization of the product	
Oxidising properties	not determined because it is considered not relevant for characterization of the product	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

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

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.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions against chemical products.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

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

ATE(mix) oral = 7.204,8 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

Sodium coceth sulfate: 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

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): n.d.

Inhalation - LD50 rat (mg / l / 4h): n.d.

Citral: Ingestion - LD50 rat (mg / kg / 24h bw): nd

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

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

(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

Sodium coceth sulfate: Not corrosive

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

Citral: Non-corrosive

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

Sodium coceth sulfate: Irritating

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

Citral: 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: Corrosive

Sodium coceth sulfate: Corrosive

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

Citral: Non-corrosive

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

Sodium coceth sulfate: Irritating

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

Citral: Irritating

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

Sodium coceth sulfate: Not sensitizing

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

Citral: Sensitizing

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

Sodium coceth sulfate: Not mutagenic

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

Citral: Not available

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

Sodium coceth sulfate: Not carcinogenic

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

Citral: Not available

(g) reproductive toxicity: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not toxic for reproduction

Sodium coceth sulfate: Non-toxic for reproduction

Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Non-toxic
Citral: Not available
(h) specific target organ toxicity (STOT) single exposure: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not available
Sodium coceth sulfate: Non-toxic for single exposure
Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not available
Citral: Not available
(i) specific target organ toxicity (STOT) repeated exposure: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not available
Sodium coceth sulfate: Non-toxic for repeated exposure
Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not available
Citral: Not available
(j) aspiration hazard: Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts: Not available
Sodium coceth sulfate: Not available
Benzenesulfonic Acid, 4-C10-13-Alkyl derivatives, composed with triethanolamine: Not available
Citral: Not available

11.2. Information on other hazards

No data available.

SECTION 12. Ecological information

12.1. Toxicity

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Related to contained substances:

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

LC50 - Fishes > 1 mg / l / 96h *Lepomis macrochirus* - US EPA 1975 EC50 - Crustaceans > 1 mg / l / 48h *Daphnia magna*
- OECD TG 202 NOEC Chronic Fish 0.63 mg / l American chub 196gg NOEC Chronic Algae / Aquatic Plants > 4 mg / l
Elodea canadensis 28 days

Sodium coceth sulfate:

Acute toxicity - fish LC50 (mg / l / 96h): 7.1
Acute toxicity - crustaceans EC50 (mg / l / 48h): 7.7
Acute toxicity algae ErC50 (mg / l / 72-96h): 12
Chronic toxicity - fish NOEC (mg / l): nd
Chronic toxicity - crustaceans NOEC (mg / l): nd
Chronic toxicity algae NOEC (mg / l): nd

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

Acute toxicity - fish LC50 (mg / l / 96h): 5.7 (*Brachydanio rerio*)
Acute toxicity - crustaceans EC50 (mg / l / 48h): 10.6 (*Daphnia magna*)
Acute algae toxicity ErC50 (mg / l / 72 -96h): 52.8
Chronic toxicity - NOEC fish (mg / l): nd
Chronic toxicity - crustacean NOEC (mg / l): nd
Chronic algae toxicity NOEC (mg / l): nd
C(E)L50 (mg/l) = 5,7

Citral:

Acute toxicity - fish LC50 (mg / l / 96h): 6.78
Acute toxicity - crustaceans EC50 (mg / l / 48h): 6.8
Acute toxicity algae ErC50 (mg / l / 72-96h): 103.8
Chronic toxicity - fish NOEC (mg / l): nd
Chronic toxicity - crustaceans NOEC (mg / l): nd
Chronic toxicity algae NOEC (mg / l): nd

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

12.2. Persistence and degradability

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Related to contained substances:

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

Rapidly degradable > 60% in 28 days - OECD 301B

Sodium coceth sulfate:

Quickly biodegradable.

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

Quickly biodegradable > 90% 28 days OECD 303A

Citral:

Easily biodegradable

12.3. Bioaccumulative potential

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Related to contained substances:

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

Information not available

Sodium coceth sulfate:

N-octanol / water: 0.3 Log Kow

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

Not bioaccumulative

Citral:

Not bioaccumulative

12.4. Mobility in soil

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Related to contained substances:

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

Information not available

Sodium coceth sulfate:

Unavailable

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

Not available

Citral:

Henry's Law constant (H): $2.16 \text{ m}^3/\text{mol} \cdot 10^{-4} \text{ atm}$

log Koc = 2.169

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

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

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. 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

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

Reg (UE) 528/2012: see.to 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.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

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.

Regulation (UE) 528/2012 (Biocides) et seq.

Procedure used to classify under CLP mixture (Reg . EC 1272/2008): substantially similar mixture/ bridging principle

Physical hazards: On the basis of experimental data

H314 Skin. Corr. 1A: On the basis of experimental data / Calculation Method

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 Estimat

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: Enviroment 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 variation, updating to reg. (UE) 878/2020, updating exposure scenario.

SUMI**Safe Use of Mixtures Information****AISE_SUMI_IS_7_5***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_5.


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	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_8b_2***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_2_L** and **AISE_SWED_IS_8b_2_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	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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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_2***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_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	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_IS_13_4***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_4**.


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	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.

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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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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#7 del 09/01/21

Use description	Industrial spraying [PROC7]; 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]
Product name	NETOREL
Classification of the product (100%)	H315 - Causes skin irritation. H318 - Causes serious eye damage.
Classification of the diluted product (maximum use concentration)	At maximux concentration of use (3%) the product is classified: Not dangerous according to Regulation (EC) No 1272/2008
Handling of the product (100%)	Avoid contact and inhalation of vapors Wear protective gloves/clothing and eye/face protection. At work do not eat or drink.
Handling of the diluted product	At work do not eat or drink.
DPI required concentrated product (racking, concentrated use, spillage...)	Chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3), safety glasses (EN 166).
Diluted product	No DPI required for intended uses

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, glasses 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	After wiping up, 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.