

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

1.1. Product identifier

Product name : CELON Special Foam
Product code: refer to sales department

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

Acid cleaner

Sectors of use:

Industrial Manufacturing[SU3], Manufacture of food products[SU4], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Product category:

Washing and Cleaning Products (including solvent based products)

Process categories:

Industrial spraying[PROC7], Transfer of substance or mixture (charging and discharging) at nondedicated facilities[PROC8A], Transfer of substance or mixture (charging and discharging) at dedicated facilities[PROC8B], Non industrial spraying[PROC11]

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

Hazard Class and Category Code(s):

Met. Corr. 1, Skin Corr. 1, Eye Dam. 1

Hazard statement Code(s):

H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

The product can be corrosive to metals

Corrosive product: causes severe skin burns and eye damage.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

2.2. Label elements

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

Pictogram, Signal Word Code(s):

GHS05 - Danger

Hazard statement Code(s):

H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

Supplemental Hazard statement Code(s):

EUH071 - Corrosive to the respiratory tract.

Precautionary statements:

Prevention



P260 - Do not breathe vapours/spray.

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

Response

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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

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

Contains:

nitric acid, orthophosphoric acid

Contains (Reg.EC 648/2004):

< 5% non-ionic surfactants

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.

Do not ingest. Keep out of reach of children.

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[w/w]	Classification	Index	CAS	EINECS	REACH
Nitric acidB	>= 10 < 20%	EUH071; Ox. Liq. 2, H272; Met. Corr. 1, H290; Skin Corr. 1A, H314; Acute Tox. 3, H331	007-004-00-1	7697-37-2	231-714-2	01-2119487 297-23-XXX X
Orthophosphoric acidB	>= 5 < 10%	Met. Corr. 1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318	015-011-00-6	7664-38-2	231-633-2	01-2119485 924-24-XXX X
Alkyl polyglucoside C8 - 10	>= 1 < 5%	Eye Dam. 1, H318		68515-73-1	500-220-1	01-211948

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
						8530-36-XX XX
Sodium hydroxide substance for which there are Community workplace exposure limits	< 0,1%	Met. Corr. 1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318	011-002-00-6	1310-73-2	215-185-5	01-2119457 892-27-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.

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

Immediately consult a physician.

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:

Drink water with egg white; do not give bicarbonate.

Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

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

Ingestion can cause chemical burns in the mouth and throat. Contact with skin can cause burns. Contact with eyes causes severe irritation, including redness and tearing. Inhalation can cause respiratory failure of an asthmatic nature; irritation of the mucous membranes and respiratory tract can cause nausea and difficulty in breathing.

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

Immediately call a POISON CENTER or a doctor.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Recommended extinguishing media: Water spray, CO2, foam, chemical powders depending on the materials involved in the fire.

Extinguishing media to avoid: Water jets. Use jets of water only to cool the surfaces of 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 respiratory tract. Safety helmet and full protective clothing. Water spray can be used to protect people involved in extinction. It is also recommended to use self-contained breathing apparatus, especially if you work in closed and poorly ventilated places. Cool the containers with water jets

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/clothing and eye/face protection

In residential areas do not use on large surfaces.

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 care. Store in a clean, dry and well-ventilated place, away from heat and direct sunlight (7-30 ° C). Keep container tightly closed.

Manufacture of food products:

Handle with care. Store in a clean, dry and well-ventilated place, away from heat and direct sunlight (7-30 ° C). Keep container tightly closed.

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

Handle with care. Store in a clean, dry and well-ventilated place, away from heat and direct sunlight (7-30 ° C). 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:

Nitric acid:

Limit value - Eight hours

(ppm)/(mg/m³)

Australia: 2/5.2

Austria: x/x

Belgio: x/x

Canada – Ontario: 2/x

Canada - Québec: 2/5.2

Denmark: 2/5

European Union: x/x

Finland: 0.5/1.3

France: x/x

Germany (AGS): x/x

Hungary: x/x

Ireland: x/x

Italy: x/x

Japan – JSOH: 2/5.2

Latvia: 0.78/2

New Zealand: 2/5.2

Poland: x/1.4

Romania: x/x

Singapore: 2/5.2

South Korea: 2/5

Spain: x/x

Sweden: 0.5/1.3
Switzerland: 2/5
The Netherlands: x/x
Turkey: x/x
USA - NIOSH: 2/5
USA - OSHA: 2/5
United Kingdom: x/x
Slovakia: x/x

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

Australia: 4/10
Austria: 1/2.6
Belgio: 1/2.6
Canada - Ontario: 4/x
Canada - Québec: 4/10
Denmark: 4/10
European Union: 1/2.6
Finland: 1 (1)/2.6 (1)
France: 1/2.6
Germany (AGS): 1 (1)/2.6 (1)
Hungary: x/2.6
Ireland: 1 (1)/2.6 (1)
Italy: 1/2.6
Japan - JSOH: x/x
Latvia: 1 (1)/2.6 (1)
New Zealand: 4/10
Poland: x/2.6
Romania: 1(1)/2,5(1)
Singapore: 4/10
South Korea: 4/10
Spain: 1/2.6
Sweden: 1 (1)/2.6 (1)
Switzerland: 2/5
The Netherlands: x/1.3
Turkey: 1 (1)/2.6 (1)
USA - NIOSH: 4 (1)/10 (1)
USA - OSHA: x/x
United Kingdom: 1/2.6
Slovakia: 1/2.6

Remarks

European Union: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)
Finland - Belgium - Germany (AGS)- Latvia - Sweden - Turkey - USA - NIOSH: : (1) 15 minutes average values
France: *Italic type*: Indicative statutory limit values
Ireland: (1) 15 minutes average period
Poland: nitric acid (V)

Tipo OEL: UE - STEL: 2.6 mg/m³, 1 ppm

Tipo OEL: ACGIH - TWA(8h): 2 ppm - STEL: 4 ppm - Note: URT and eye irr, dental erosion

Argentina: CMP 2 ppm - CMP/CP-CMC-C 4 ppm - PM 63,02 (irritation, corrosion, edema polmon)
Czech Republic: PEL 1 mg/m³ - NPK-P 2,5 mg/m³ - Poznámky: x - Prepocet: 0,382
Portugal : 8 horas x/x Curta duração: 2,6 mg/m³/ 1 ppm

Orthophosphoric acid:
Limit value - Eight hours

(ppm)/(mg/m³)

Argentina x/1

Australia: x/1

Austria: x/1

Belgium : x/1

Canada-Ontario: x/1

Canada-Québec: x/1

Czech rep.: x/1

Denmark: x/1

European Union: x/1

Finland: x/1

France: 0.2/1

Germany (AGS): x/2 inhalable aerosol

Germany (DFG): x/2 inhalable aerosol

Hungary: x/1

Ireland: x/1

Italy: x/1

New Zealand: x/1

People's Republic of China: x/1

Poland: x/1

Portugal: x/1

Singapore: x/1

Slovakia: x/1

South Korea : x/1

Spain: x/1

Sweden: x/1

Switzerland: x/1

The Netherlands: x/1

Turkey: x/1

USA – NIOSH: x/1

USA – OSHA: x/1

United Kingdom: x/1

Limit value – Short Term

(ppm)/(mg/m³)

Argentina: x/3

Australia: x/x

Austria: x/2

Belgium : x/2

Canada-Ontario: x/3

Canada-Québec: x/3

Czech rep.: x/2

Denmark: x/2

European Union: x/2

Finland: x/2(1)

France: 0.5/2

Germany (AGS): x/4 inhalable aerosol

Germany (DFG): x/4 inhalable aerosol

Hungary: x/2

Ireland: x/2(1)

Italy: x/2

New Zealand: x/x

People's Republic of China: x/3(1)

Poland: x/2

Portugal: x/2

Singapore: x/x

Slovakia: x/2

South Korea : x/3

Spain: x/2

Sweden: x/3(1)
Switzerland: x/2
The Netherlands: x/2
Turkey: x/2(1)
USA – NIOSH: x/3(1)
USA – OSHA: x/x
United Kingdom: x/2

Remarks

European Union: Bold-type: Indicative Occupational Exposure Limit Values [2.3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)
Finland: (1) 15 minutes average value
France: *Italic type*: Indicative satatutory limits value
Germany (AGS): (1) 15 minutes average value
Germany (DFG): STV 15 minutes value
Ireland: (1) 15 minutes reference period
People's Republic of China: (1) 15 minutes average value
Sweden: (1) Short-term value, 15 minutes average value
Turkey: (1) 15 minutes average value
USA – NIOSH: (1) 15 minutes average value

Sodium hydroxide:

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

Austria: x/2 inhalable aerosol
Belgium: x/2 (1)
Denmark: x/2
France: x/2
Hungary: x/2
Japan (JSOH): x/2(1)
Latvia: x/0,5
Poland: x/0,5
Romania: x/1
Spain: x/2
Sweden: x/1 (1)
Switzerland: x/2 inhalable aerosol (MAK)
USA – OSHA: x/2

Limit Value – Short Term

(ppm)/(mg/m³)

Australia: x/2(1)
Austria: x/4 inhalable aerosol
Canada - Ontario: x/2(1)
Canada – Québec: x/2(1)
Denmark: x/2
Finland: x/2(1)
Hungary: x/2
Ireland: x/2(1)
New Zealand: x/2(1)
People's Republic of China: x/2(1)
Poland: x/1
Romania: x/3(1)
Singapore: x/2
South Korea: x/2(1)
Sweden: x/2(1)(2)
Switzerland: x/2 inhalable aerosol (MAK)
USA – NIOSH: x/2(1)
United Kingdom: x/2

Remarks:

Australia: (1) Ceiling limit value
Canada – Ontario: (1) Ceiling limit value
Canada – Québec: (1) Ceiling limit value
Finland: (1) Ceiling limit value
Ireland: (1) 15 minutes reference period
Japan: (1) Occupational exposure limit ceiling: Reference value to the maximal exposure concentration of the substance during a working day
New Zealand: (1) Ceiling limit value
People's Republic of China: (1) Ceiling limit value
South Korea: (1) Ceiling limit value
Romania: (1) 15 minutes average value
Sweden: (1) Inhalable dust (2) Ceiling limit value
USA – NIOSH: (1) Ceiling limit value (15 min)
Argentina: CMP-C: 2 mg/m³
Czech Republic: PEL 1 mg/m³/ NPK-P 2 mg/m³
Italy: OEL: ACGIH -STEL: C 2.0 mg/m³; Tipo OEL: ACGIH - STEL: C2 mg/m³ - Note: URT, eye, and skin irr
Estonia: short-term exposure limit (maximum chemical substance average allowable concentration in inhaled air - 15 minutes) 2 mg/m³(Ceiling limit" means a maximum permissible continuous concentration of 15 minutes in the air for rapidly acting substances)
Norway: ceiling value (a moment value that indicates the maximum concentration of a chemical in the breathing zone that should not be exceeded) 2 mg/m³
Lithuania: NRD 2 mg/m³
Slovakia: NPEL 2 mg/m³
South Africa: Short Term OEL-CL 2 mg/m³

- Substance: Nitric acid

DNEL

Local effects Long term Workers inhalation = 1,3
Local effects Long term Consumers inhalation = 0,65 (mg/m³)
Local effects Short term Workers inhalation = 2,6 (mg/m³)
Local effects Short term Consumers inhalation = 1,3 (mg/m³)

- Substance: Orthophosphoric acid

DNEL

Local effects Long term Workers inhalation = 1
Local effects Long term Consumers inhalation = 0,73 (mg/m³)
Local effects Short term Workers inhalation = 2 (mg/m³)

- Substance: Alkyl polyglucoside C8 - 10

DNEL

Systemic effects Long term Workers inhalation = 420 (mg/m³)
Systemic effects Long term Workers dermal = 595000 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 124 (mg/m³)
Systemic effects Long term Consumers dermal = 357000 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 35,7 (mg/kg bw/day)

PNEC

Sweet water = 0,176 (mg/l)
sediment Sweet water = 1516 (mg/kg/sediment)
Sea water = 0,0176 (mg/l)
sediment Sea water = 0,152 (mg/kg/sediment)
intermittent emissions = 0,27 (mg/l)
STP = 560 (mg/l)

- Substance: Sodium hydroxide

DNEL

Systemic effects Short term Workers inhalation = 1 (mg/m³)

Systemic effects Short term Consumers inhalation = 1 (mg/m³)

Local effects Short term Workers inhalation = 1 (mg/m³)

Local effects Short term Consumers inhalation = 1 (mg/m³)

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)

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

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 and inorganic vapors - Grey , Class 3 , B (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	Clear amber / green liquid	
Odour	not determined as considered not relevant for the characterization of the product	

Physical and chemical properties	Value	Determination method
Odour threshold	not determined as considered not relevant for the characterization of the product	
pH	<2.0 ± 0.5 (20 ° C); <2.0 ± 0.5 (20 ° C, sol% 6)	
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	1.15 ± 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	not determined as considered not relevant for the characterization of the product	
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	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Acid

10.2. Chemical stability

Stable at room temperature and under normal conditions of use Corrosive to cement.

10.3. Possibility of hazardous reactions

Reacts exothermically with water. Reacts vigorously with reducing agents, strong bases, organic materials and chlorides. The reaction with the most common metals can release oxygen.

10.4. Conditions to avoid

Direct heat sources and the provisions of 10.3

10.5. Incompatible materials

Organic substances, reacts with most chemicals. Contact with reducing substances (paper, rags, sawdust) can cause ignition. In contact with some metals it forms NO_x nitrogen oxides. The concentrated product must not be mixed with organic substances (milk, wine, beer, rubber, paper, etc.) as it can develop toxic gas.

10.6. Hazardous decomposition products

It does not decompose if used for the intended uses.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = ∞

ATE(mix) dermal = ∞

ATE(mix) inhal = 25,2 mg/l/4 h

(a) acute toxicity: Nitric acid: Ingestion - LD50 rat (mg / kg / 24h bw): nd

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

Inhalation - LD50 rat (mg / l / 4h): > 2.65

Orthophosphoric acid: Ingestion-rat LD50 (mg/kg/bw 12h): 2600

Skin contact-LC50 rat/coniglio (mg/kg/bw 12h): 2740

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

Alkyl polyglucoside C8 - 10: Practically non-toxic to individual skin contact and/or single ingestion

Oral rat LD50 value: > 2000 mg/kg

Dermal LC50 rat/rabbit value: > 2000

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

Skin contact - LC50 rabbit (mg / kg / 24h bw): 1350

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

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

Nitric acid: Corrosive

Orthophosphoric acid: Corrosive

Alkyl polyglucoside C8 - 10: Not corrosive

Sodium hydroxide: Corrosive

Nitric acid: Irritating

Orthophosphoric acid: Irritating

Alkyl polyglucoside C8 - 10: Not irritating

Sodium hydroxide: Irritating

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

Nitric acid: Corrosive

Orthophosphoric acid: Corrosive

Alkyl polyglucoside C8 - 10: Corrosive

Sodium hydroxide: Corrosive

Nitric acid: irritating

Orthophosphoric acid: Irritating

Alkyl polyglucoside C8 - 10: Irritating

Sodium hydroxide: Irritating

(d) respiratory or skin sensitization: Nitric acid: Not available

Orthophosphoric acid: Not available

Alkyl polyglucoside C8 - 10: Not sensitizing

Sodium hydroxide: Not sensitizing

(e) germ cell mutagenicity: Nitric acid: Not mutagenic

Orthophosphoric acid: Non-mutagenic

Alkyl polyglucoside C8 - 10: Not mutagenic

Sodium hydroxide: Not mutagenic

(f) carcinogenicity: Nitric acid: Non-conclusive data

Orthophosphoric acid: Non-carcinogenic

Alkyl polyglucoside C8 - 10: Not carcinogenic

Sodium hydroxide: Not carcinogenic

(g) reproductive toxicity: Nitric acid: Non-toxic for reproduction

Orthophosphoric acid: Non-toxic for reproduction

Alkyl polyglucoside C8 - 10: Non-toxic for reproduction

Sodium hydroxide: Non-toxic for reproduction

(h) specific target organ toxicity (STOT) single exposure: Nitric acid: Not available

Orthophosphoric acid: Not available

Alkyl polyglucoside C8 - 10: Unavailable

Sodium hydroxide: The substance can be absorbed into the body by inhalation of its aerosols and by ingestion.

(i) specific target organ toxicity (STOT) repeated exposure: Nitric acid: Not available

Orthophosphoric acid: Not available

Alkyl polyglucoside C8 - 10: Unavailable

Sodium hydroxide: The substance can be absorbed into the body by inhalation of its aerosols and by ingestion. The symptoms of pulmonary edema often do not manifest themselves before a few hours and are exacerbated by physical exertion. Rest and medical observation are therefore essential

(j) aspiration hazard: Nitric acid: Not available

Orthophosphoric acid: Not available

Alkyl polyglucoside C8 - 10: Unavailable

Sodium hydroxide: Not available

SECTION 12. Ecological information

12.1. Toxicity

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Related to contained substances:

Nitric acid:

Acute toxicity - LC50 fish (mg / l / 96h): 4650

Acute toxicity - EC50 crustaceans (mg / l / 48h): Median lethal pH (48h) 4.4-4.7 for Ceriodaphnia dubia (US EPA)

guideline). This study shows that the pH rather than the anion (nitrate) is causing the toxic effects in daphnids. This is confirmed by two additional studies with sodium nitrate (24h EC50 8609 mg / L for Daphnia magna, similar to OECD TG 202) and potassium nitrate (48h EC50 490 mg / L for Daphnia magna, no guideline followed). The read-across rationale can be found in the category approach document in Section 13 of IUCLID and is fully incorporated in the CSR.

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

C(E)L50 (mg/l) = 4650

Orthophosphoric acid:

Endpoint: LC50-species: Fish = 75.1 mg/l-h Duration: 96

Endpoint: EC50-species: Daphnia magna > 100 mg/l-h Duration: 48

Endpoint: EC50-species: Algae > 100 mg/l-h Duration: 72

Alkyl polyglucoside C8 - 10:

Ittiotossicità:

LC50 > 100 mg/l (DIN EN ISO 7346-2)

Aquatic invertebrates:

EC50 > 100 mg/l (OECD-guideline 202, part 1)

Aquatic plants:

EC50 > 10-100 mg/l (Directive 88/302/EEC, part C, p 89)

Microorganisms/effects on activated sludge:

Ce0 > 100 mg/l (OECD-guideline 209)

Ce0 > 100 mg/l (DIN 38412 part 8)

Chronic toxicity on fish:

NOEC > 1-10 mg/l (OECD Guideline 204)

Chronic toxicity to aquatic invertebrates:

NOEC > 1-10 mg/l (OECD-guideline 202, part 2)

Sodium hydroxide:

Acute toxicity - LC50 fish (mg / l / 96h): 45

Acute toxicity - crustaceans EC50 (mg / l / 48h): 40

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

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

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

Chronic toxicity NOEC algal (mg / l): nd

C(E)L50 (mg/l) = 45

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

12.2. Persistence and degradability

=====

Related to contained substances:

Nitric acid:

Not available

Orthophosphoric acid:

Not readily biodegradable

Alkyl polyglucoside C8 - 10:

Evaluation of biodegradability and delete (H2O):

Readily biodegradable (according to OECD criteria).

Disposal considerations:

(Annex III, part A) The surfactant (s) contained in this formulation is (are) subject (s) to the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. All the supporting data shall be kept available to the competent authorities of the Member States and will be provided to the authorities at their request or at the request of a manufacturer of the formula.

Sodium hydroxide:
Not applicable

12.3. Bioaccumulative potential

=====
Related to contained substances:
Nitric acid:
Not bioaccumilable

Orthophosphoric acid:
Not bioaccumulative

Alkyl polyglucoside C8 - 10:
Assessment of bioaccumulation potential: No accumulation in organisms should be expected.

Sodium hydroxide:
Not bioaccumulative

12.4. Mobility in soil

=====
Related to contained substances:
Nitric acid:
Not available

Orthophosphoric acid:
Not available

Alkyl polyglucoside C8 - 10:
Evaluation of transport between environmental departments: The substance does not evaporate into the atmosphere from the surface of the water. An absorption to the solid phase of the soil is possible.

Sodium hydroxide:
Not applicable

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

12.6. 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

ADR/RID/IMDG/ICAO-IATA: 3264

If subject to the following characteristics is ADR exempt:

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

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



14.2. UN proper shipping name

ADR/RID/IMDG: LIQUIDO INORGANICO CORROSIVO, ACIDO, N.A.S. (Acido nitrico, Acido ortofosforico in miscela)

ADR/RID/IMDG: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Nitric acid, Orthophosphoric acid in mixture)

ICAO-IATA: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Nitric acid, Orthophosphoric acid in mixture)

14.3. Transport hazard class(es)

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

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

ADR: Tunnel restriction code : E

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

IMDG - EmS : F-A, S-B

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: II

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : No

14.6. Special precautions for user

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

14.7. 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
Reg (UE) 528/2012: see.to 2.2

REGULATION (EU) No 1357/2014 - waste:
HP8 - Corrosive

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Points modified compared to previous release: 1.2. Relevant identified uses of the substance or mixture and uses advised against, 8.2. Exposure controls

Description of hazard statements set out in paragraph 3

H272 = May intensify fire; oxidiser.
H290 = May be corrosive to metals.
H314 = Causes severe skin burns and eye damage.
H331 = Toxic if inhaled.
H318 = Causes serious eye damage.

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):

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: sec 8 - SE updating, working istruction sheet attached

SUMI**Safe Use of Mixtures Information****AISE_SUMI_IS_7_4_G***Version 1.1, August 2018****Industrial spraying; Automated task; Open system; Long term***

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



General description of the process covered

The SUMI applies to industrial spraying products. This Safe Use Information is based on the AISE_SWED_IS_7_4.

Operational Conditions

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

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_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

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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_11_3_G***Version 1.1, August 2018****Professional uses; Spraying***

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 of products in a spraying application. This Safe Use Information is based on the **AISE_SWED_PW_11_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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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#6 07/29/20

Use description	Industrial spraying[PROC7], Transfer of substance or preparation (charging/ discharging) from/to ves- sels/large containers at non-dedicated facilities[PROC8A], Transfer of substance or preparation (charging/discharging) from/to ves- sels/large containers at dedicated facilities[PROC8B], Non industrial spraying[PROC11]
Product name	CELON Special Foam
Classification of the product (100%)	H290 - May be corrosive to metals. H314 - Causes severe skin burns and eye damage. H318 - Causes serious eye damage. EUH071 - Corrosive to the respiratory tract.
Classification of the diluted product (maximum use concentration)	At maximux concentration of use (6%) the product is classified: H290 - May be corrosive to metals. H314 - Causes severe skin burns and eye damage. H318 - Causes serious eye damage.
Handling of the product (100%)	Avoid contact and inhalation of vapors Wear protective gloves/protective clothing/eye protection/face protection. At work do not eat or drink.
Handling of the diluted product	Avoid contact and inhalation of vapors Wear protective gloves/protective clothing/eye protection/face protection. 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	Chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3), safety glasses (EN 166).

In case of emergency (accidents involving exposure to the product)	Immediately inform the customer. Immediately inform the employer. Contact Poisons Centres tel. number in 1.4 section of the MSDS
Accidental release large quantities measures: concentrated product	Wear mask, 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	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
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.