

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

1.1. Product identifier

Product name : SINTODRY
Product code: refer to sales department

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

Lubricant
Sectors of use:
Industrial Manufacturing[SU3], Public domain (administration, education, entertainment, services, craftsmen)[SU22]
Product category:
Lubricants, Greases and Release Products

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:

None

Hazard Class and Category Code(s):

Non hazardous

Hazard statement Code(s):

Non hazardous

2.2. Label elements

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

Pictogram, Signal Word Code(s):

None

Hazard statement Code(s):

Non hazardous

Supplemental Hazard statement Code(s):

EUH208 - Contains Benzisothiazolinone. May produce an allergic reaction.

EUH210 - Safety data sheet available on request.

Precautionary statements:

None in particular.

Contains (Reg.EC 648/2004):

< 5% non-ionic surfactants

Preservatives: Benzisothiazolinone, Bronopol, Octylisothiazolinone, Methylchloroisothiazolinone/Methylisothiazolinone (3:1)

2.3. Other hazards

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

No information on other hazards
For professional use only

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Dodecan-1ol, ethoxylated	> 0,1 <= 1%	Eye Dam. 1, H318; Aquatic Acute 1, H400		9002-92-0	500-002-6	
Acetic acid substance for which there are Community workplace exposure limits	<= 0,1%	Flam. Liq. 3, H226; Skin Corr. 1A, H314	607-002-00-6	64-19-7	200-580-7	01-2119475 328-30-XXX X
Benzisothiazolinone	>= 0,005 <= 0,1%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318; Aquatic Acute 1, H400 Acute toxicity M-factor = 10	613-088-00-6	2634-33-5	220-120-9	01-2120761 540-60-XXX X
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
Methylchloroisothiazolinone/Methylisothiazolinone (3:1) substance for which there are Community workplace exposure limits	<= 0,00015	Acute Tox. 3, H301; Acute Tox. 3, H311; Skin Corr. 1B, H314; Skin Sens. 1A, H317; Acute Tox. 3, H331; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute toxicity M-factor = 100 Chronic toxicity M-factor = 10	613-167-00-5	55965-84-9		

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):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

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

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

Contact with the skin may cause a rash.

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

No data available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suggested extinguishing media:

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

Extinguishing media to avoid:

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

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective clothing.

The water spray can be used to protect the people involved in the extinction.

You may also use self-contained breathing apparatus, especially when working in confined and poorly ventilated areas and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear 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:

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

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)

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

Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed. (7-30°C)

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

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Related to contained substances:

Acetic acid:

Limit value/Eight hours

(ppm)/(mg/m³)

Australia: 10/25

Austria: 10/25
Belgium: 10/25
Canada-Ontario: 10/x
Canada-Québec: 10/25
Denmark: 10/25
European Union: 10/25
Finland: 5/13
France: x/x
Germany (AGS): 10/25
Germany (DFG): 10/25
Hungary: x/25
Ireland: 10/25
Italy: 10/25
Latvia: 10/25
New Zealand: 10/25
People's Republic of China: x/10
Poland: x/15
Singapore: 10/25
South Korea: 10/25
Switzerland: 10/25
Turkey: 10/25
USA-NIOSH: 10/25
USA-OSHA: 10/25
United Kingdom: [10]/[25]

Limit value/Short term
(ppm)/(mg/m³)

Australia: 15/37
Austria: 20-50
Belgium: 15/38
Canada-Ontario: 15/x
Canada-Québec: 15/37
Denmark: 20/50
European Union: x/x
Finland: 10(1)/25(1)
France: 10/25
Germany (AGS): 20(1)/50(1)
Germany (DFG): 20/50
Hungary: x/25
Ireland: 15(1)/37(1)
Italy: x/x
Latvia: x/x
New Zealand: 15/37
People's Republic of China: x/20(1)
Poland: x/30
Singapore: 15/37
South Korea: 15/37
Spain: 15/37
Sweden: 10(1)/25(1)
Switzerland: 20/50
Turkey: x/x
USA-NIOSH: 15(1)/37(1)
USA-OSHA: x/x
United Kingdom: [15]/[37]

Remarks

Austria: Indicative Occupational Exposure Limit Values, proposal [5] ~ (for reference see bibliography)
Finland: (1) 15 minutes average value
Germany (AGS): (1) 15 minutes average value

Germany (DFG): STV 15 minutes average 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

Tipo OEL: UE - LTE(8h): 25mg/m³, 10ppm
Tipo OEL: ACGIH - LTE(8h): 10ppm, - STEL: 15 ppm - Note: URT and eye irr, pulm func

Sodium hydroxide:
Limit value – Eight hours
(ppm)/(mg/m³)
Australia: x/x
Austria: x/2 inhalable aerosol
Belgium: x/2
Canada – Ontario: x/x
Canada – Québec: x/x
Denmark: x/2
Finland: x/x
France: x/2
Hungary: x/2
Ireland: x/x
Latvia: x/0,5
New Zealand: x/x
People's Republic of China: x/x
Poland: x/0,5
Singapore: x/x
South Korea: x/x
Spain: x/2
Sweden: x/1
Switzerland: x/2 inhalable aerosol
USA – NIOSH: x/x
USA – OSHA: x/2
United Kingdom: x/x

Limit Value – Short Term
(ppm)/(mg/m³)
Australia: x/2(1)
Austria: x/4 inhalable aerosol
Belgium: x/x
Canada - Ontario: x/2(1)
Canada – Québec: x/2(1)
Denmark: x/2
Finland: x/2(1)
France: x/x
Hungary: x/2
Ireland: x/2(1)
Latvia: x/x
New Zealand: x/2(1)
People's Republic of China: x/2(1)
Poland: x/1
Singapore: x/2
South Korea: x/2(1)
Spain: x/x
Sweden: x/2(1)(2)
Switzerland: x/2 inhalable aerosol
USA – NIOSH: x/2(1)
USA – OSHA: x/x
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
New Zealand: (1) Ceiling limit value
People's Republic of China: (1) Ceiling limit value
South Korea: (1) Ceiling limit value
Sweden: (1) Inhalable dust (2) Ceiling limit value
USA – NIOSH: (1) Ceiling limit value (15 min)

Tipo OEL: ACGIH -- Nazione: ITALY - STEL: C 2.0 mg/m³
Tipo OEL: ACGIH - STEL: C2 mg/m³ - Note: URT, eye, and skin irr

- Substance: Dodecan-1ol, ethoxylated
DNEL

Systemic effects Long term Workers inhalation = 4,93 (mg/m³)
Systemic effects Long term Workers dermal = 1,4 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 0,87 (mg/m³)
Systemic effects Long term Consumers dermal = 0,5 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 0,5 (mg/kg bw/day)

PNEC

Sweet water = 0,00139 (mg/l)
sediment Sweet water = 0,00259 (mg/kg/sediment)
Sea water = 0,000139 (mg/l)
sediment Sea water = 0,000259 (mg/kg/sediment)
intermittent emissions = 0,025 (mg/l)
STP = 0,312 (mg/l)
ground = 0,00435 (mg/kg ground)

- Substance: Acetic acid

DNEL

Local effects Long term Workers inhalation = 25
Local effects Long term Consumers inhalation = 25 (mg/m³)
Local effects Short term Workers inhalation = 25 (mg/m³)
Local effects Short term Consumers inhalation = 25 (mg/m³)

PNEC

Sweet water = 3,058 (mg/l)
sediment Sweet water = 11,36 (mg/kg/sediment)
Sea water = 0,3058 (mg/l)
sediment Sea water = 1,136 (mg/kg/sediment)
intermittent emissions = 30,58 (mg/l)
STP = 85 (mg/l)
ground = 0,47 (mg/kg ground)

- Substance: Benzisothiazolinone

DNEL

Systemic effects Long term Workers inhalation = 6,81 (mg/m³)
Systemic effects Long term Workers dermal = 0,966 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 1,2 (mg/m³)
Systemic effects Long term Consumers dermal = 0,345 (mg/kg bw/day)

PNEC

Sweet water = 0,011 (mg/l)
sediment Sweet water = 0,0499 (mg/kg/sediment)
Sea water = 0,001 (mg/l)
sediment Sea water = 0,00499 (mg/kg/sediment)
STP = 1,03 (mg/l)
ground = 10 (mg/kg ground)

- 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)

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

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

8.2.2 Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (EN 166) according to the instructions of the employer.

(b) Skin protection

(i) Hand protection

Not needed for normal use.

In the case of individuals who are already sensitised to the substance or mixture in the product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3) unless otherwise provided by the employer and / or assessments of environmental investigations hygienistic

(ii) Other

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

(c) Respiratory protection

Not needed for normal use.

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	White liquid	
Odour	odorless	
Odour threshold	not determined as considered not relevant for the characterization of the product	
pH	5,0 ± 0,5 (20 ° C; sol. 100%)	
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	0,98 - 1,05 (20 ° C)	
Solubility	in water	
Water solubility	miscible	
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

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Related to contained substances:
Sodium hydroxide:
Highly reactive product

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Avoid contact with oxidizing substances

10.5. Incompatible materials

Oxidizing substances

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = ∞
ATE(mix) dermal = ∞
ATE(mix) inhal = ∞

(a) acute toxicity: Dodecan-1ol, ethoxylated: Ingestion - LD50 rat (mg / kg / 24h bw):> 2000
Skin contact - LC50 rat / rabbit (mg / kg / 24h bw): nd
Inhalation - LD50 rat (mg / l / 4h): na
Acetic acid: Ingestion - LD50 rat (mg / kg / 24h bw): 3310
Skin contact - LC50 rat / rabbit (mg / kg / 24h bw): nd
Inhalation - LD50 rat (mg / l / 4h): 11.4 (varpori)
Benzisothiazolinone: Ingestion - LD50 rat (mg / kg / 24h bw): 670
Skin contact - LC50 rat / rabbit (mg / kg / 24h bw):> 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
Methylchloroisothiazolinone/Methylisothiazolinone (3:1): 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 Dodecan-1ol, ethoxylated: Not corrosive

Acetic acid: Corrosive

Benzisothiazolinone: Corrosive

Sodium hydroxide: Corrosive

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Corrosive

Dodecan-1ol, ethoxylated: Not irritating

Acetic acid: Irritating

Benzisothiazolinone: Irritating

Sodium hydroxide: Irritating

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Irritating

(c) serious eye damage/irritation: Dodecan-1ol, ethoxylated: Corrosive

Acetic acid: Corrosive

Benzisothiazolinone: Corrosive

Sodium hydroxide: Corrosive

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Corrosive

Dodecan-1ol, ethoxylated: Irritating

Acetic acid: Irritating

Benzisothiazolinone: Irritating

Sodium hydroxide: Irritating

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Irritating

(d) respiratory or skin sensitization: Dodecan-1ol, ethoxylated: Not sensitizing

Acetic acid: Non-sensitizing

Benzisothiazolinone: Sensitizing

Sodium hydroxide: Not sensitizing

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Sensitizing

(e) germ cell mutagenicity: Dodecan-1ol, ethoxylated: Not available

Acetic acid: Non-mutagenic

Benzisothiazolinone: Non-mutagenic

Sodium hydroxide: Not mutagenic

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Not available

(f) carcinogenicity: Dodecan-1ol, ethoxylated: Not available

Acetic acid: Non-carcinogenic

Benzisothiazolinone: Not available

Sodium hydroxide: Not carcinogenic

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Not available

(g) reproductive toxicity: Dodecan-1ol, ethoxylated: Not available

Acetic acid: Not available

Benzisothiazolinone: Not available

Sodium hydroxide: Non-toxic for reproduction

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Not available

(h) specific target organ toxicity (STOT) single exposure: Dodecan-1ol, ethoxylated: Not available

Acetic acid: Not available

Benzisothiazolinone: Not available

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

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Toxic if swallowed and in contact with skin

(i) specific target organ toxicity (STOT) repeated exposure: Dodecan-1ol, ethoxylated: Not available

Acetic acid: Not available

Benzisothiazolinone: Not available

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

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Not available

(j) aspiration hazard: Dodecan-1ol, ethoxylated: Not available

Acetic acid: Not available

Benzisothiazolinone: Not available

Sodium hydroxide: Not available

Methylchloroisothiazolinone/Methylisothiazolinone (3:1): Not available

Health Hazards:

Eye contact: Accidental contact of product with eyes may cause irritation.

Skin Contact: Product is not an irritant. Prolonged or repeated contact may defeat and irritate the skin and cause dermatitis in some cases.

Ingestion: The ingested product may cause irritation of the mucous membranes of the throat and digestive system leading to digestive symptoms and abnormal bowel disorders.

Inhalation: Prolonged exposure to vapours or mists of product may cause respiratory irritation.

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Related to contained substances:

Acetic acid:

LD50 (rat) Oral (mg/kg body weight) = 3310

Benzisothiazolinone:

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

Sodium hydroxide:

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 1350

SECTION 12. Ecological information

12.1. Toxicity

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Related to contained substances:

Dodecan-1ol, ethoxylated:

Acute toxicity - fish LC50 (mg / l / 96h): <1 (Carassius Auratus)

Acute toxicity - crustaceans EC50 (mg / l / 48h): <1 (Daphnia)

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

Acetic acid:

Acute toxicity - fish LC50 (mg / l / 96h): >300

Acute toxicity - shellfish EC50 (mg / l / 48h): >300

Acute toxicity ErC50 algae (mg / l / 72-96h): >300

Benzisothiazolinone:

Acute toxicity - fish LC50 (mg / l / 96h): 2.18 Oncorhynchus mykiss - Method: OECD Test Guideline 203

Acute toxicity - crustaceans EC50 (mg / l / 48h): 2.94 Daphnia magna - Method test, Directive 92/69 / EEC.

Acute toxicity ErC50 algae (mg / l / 72-96h): 0.15 Selenastrum capricornutum - Type of test: Growth inhibitor

Chronic toxicity - NOEC fish (mg / l 28 die): 0.3 Oncorhynchus mykiss - Type of test: Growth inhibitor

Chronic toxicity - crustaceans NOEC (mg / l / 21d): 1.7 Daphnia magna - Type of test: Reproduction test - Method: OECD TG 211

Chronic toxicity algae NOEC (mg / l): nd

Toxicity to organisms soil living EC50 (mg / kg / 14d):> 410.6 Fetid Eisenia Method: OECD TG 207

Toxicity for living organisms in the soil EC50 (mg / kg / 28d): 263.7 Method: OECD TG 216

Acute toxicity M-factor = 10

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

Methylchloroisothiazolinone/Methylisothiazolinone (3:1):

Acute toxicity - fish LC50 (mg / l / 96h): nd
Acute toxicity - crustaceans EC50 (mg / l / 48h): nd
Acute algae toxicity ErC50 (mg / l / 72-96h): nd
Chronic toxicity - NOEC fish (mg / l): nd
Chronic toxicity - crustaceans NOEC (mg / l): nd
Chronic toxicity NOEC algae (mg / l): nd
Acute toxicity M-factor = 100
Chronic toxicity M-factor = 10

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:
Dodecan-1ol, ethoxylated:
Easily biodegradable

Acetic acid:
Easily biodegradable (20d 96%)

Benzisothiazolinone:
Quickly biodegradable

Sodium hydroxide:
Not applicable

Methylchloroisothiazolinone/Methylisothiazolinone (3:1):
Not available

12.3. Bioaccumulative potential

=====
Related to contained substances:
Dodecan-1ol, ethoxylated:
Not available

Acetic acid:
Not applicable

Benzisothiazolinone:
Unlikely bioaccumulation

Sodium hydroxide:
Not bioaccumulative

Methylchloroisothiazolinone/Methylisothiazolinone (3:1):
Not available

12.4. Mobility in soil

=====
Related to contained substances:
Dodecan-1ol, ethoxylated:
Not available

Acetic acid:
Not applicable

Benzisothiazolinone:
Not available

Sodium hydroxide:
Not applicable

Methylchloroisothiazolinone/Methylisothiazolinone (3:1):
Not available

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

No adverse effects

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

The (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

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

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

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

Transport in bulk is not foreseen

SECTION 15. Regulatory information

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

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

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier
It is not necessary to attach exposure scenarios in accordance with Reg. CE 1907/2006

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

- H318 = Causes serious eye damage.
- H400 = Very toxic to aquatic life.
- H226 = Flammable liquid and vapour.
- H314 = Causes severe skin burns and eye damage.
- H302 = Harmful if swallowed.
- H315 = Causes skin irritation.
- H317 = May cause an allergic skin reaction.
- H290 = May be corrosive to metals.
- H301 = Toxic if swallowed.
- H311 = Toxic in contact with skin.
- H331 = Toxic if inhaled.
- H410 = Very toxic to aquatic life with long lasting effects.

Classification based on data of all mixture components

Main normative references:

- Reg. (CE) n. 1907 del 18/12/06 REACH (Registration, Evaluation and Authorisation of CHemicals) et seq.
- Reg. (CE) 1272/2008 CLP (Classification Labelling and Packaging) et seq.

Regulation (EC) n. 648 of 31/03/04 (on detergents) et seq.
Regulation (UE) n. 1169/2011 (on the provision of food information to consumers)
Directive 2012/18/EU (on the control of major-accident hazards involving dangerous substances) et seq.

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

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

n.a.: not applicable

n.d.: not available

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

ATE: Acute Toxicity Estimati

BFC: Bioconcentration Factor

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstract Service number

CAP: Centre AntiPoison

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

CL50/LC50: Lethal Concentration 50

DL50/LD50: Lethal Dose 50

COD: Chemical Oxygen Demand

DNEL: Derived No Effect Level

EC50: half maximal Effective Concentration

ERC: Environment Release Classes

EU/UE: European Union

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods code

Kow: Octanol water partition coefficient

NOEC: No Observed Effect Concentration

OEL: Occupational Exposure Limit

PBT: Persistent Bioaccumulative and Toxic

PC: Product Categories

PNEC: Predicted No Effect Concentration

PROC: Process Categories

RID: Règlement concernant le transport International ferroviaire des marchandises dangereuses (Regulations concerning International rail transport of dangerous goods)

STOT: Target Organ Systemic Toxicity

STOT (RE): Repeated Exposure

STOT (SE): Single Exposure

STP: Sewage Treatment Plants

SU: Sector of Use

SVCH: Substance of Very High Concern

TLV: Threshold Limit Value

vPvB: Very Persistent Very Bioaccumulative

References and Sources:

- ECHA Registered Substances:
<https://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>
 - SDS supplier
 - GESTIS DNEL Database: <http://www.dguv.de/ifa/gestis/gestis-dnel-datenbank/index-2.jsp>
 - GESTIS International Limit Value: <http://limitvalue.ifa.dguv.de>
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*** this tab annuls and replaces any previous edition. (IIXX)

Changes to the previous edition: label elements variation
