Safety Data Sheet

Complies with Annex II of REACH - Regulation 2015/830

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

1.1. Product identifier

Name — **ANTISCHIUMOGENO – Tavolette antischiuma sanitizzanti**

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

Description/Use — **Sanitising anti-foaming agent for water circuits in the dental unit**

1.3. Details of the supplier of the safety data sheet

Company Name — **Magnolia Srl**
Address — **Via Natta 6/A**
Town/city and Country — **43122 Parma**
Italia

tel. +39 (0)521 607604

e-mail address of person in charge, responsible for the safety data sheet — **info.magnolia@cattani.it**

1.4. Emergency telephone number

For urgent enquiries, please contact — Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments).
The product therefore requires a safety data sheet in compliance with the provisions of Regulation (EU) 2015/830.
Any additional information regarding health and/or environmental risks are given in sections 11 and 12 of this data sheet.

Physical and chemical hazards: the product is not classified for this category of hazards.
Health hazards: the product causes serious eye damage and causes skin irritation.
Environmental hazards: the product is very toxic to aquatic life.

Hazard classification and statements:

Severe eye damage, category 1	H318	Causes serious eye damage.
Skin irritation, category 2	H315	Causes skin irritation.
Hazardous to the aquatic environment, acute toxicity, category 1	H400	Very toxic to aquatic life.

2.2 Label elements

Hazard labelling according to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and updates.

Hazard symbols:

Warnings: Danger

Hazard statements:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H400	Very toxic to aquatic life.

Safety advice:

P280	Wear protective gloves and eye protection and face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTRE and a doctor.

Contains: Bronopol (INN)

2.3 Other hazards

According to available data, the product does not contain PBT or vPvB substances in percentages greater than 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	Concentration %	Classification 1272/2008 (CLP)	Specific concentration limit 1272/2008 (CLP)
Bronopol (INN)			
CAS 52-51-7 CE 200-143-0 INDEX 603-085-00-8	12	Org. Perox C H242, Acute Tox. 3 H331, Acute Tox. 4 H302, Acute Tox. 4 H312, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Acute 1 H400 M=10	*Not available*

For the full text of the hazard statements (H), see section 16 of the data sheet.

SECTION 4. First aid measures

4.1 Description of first aid measures

EYES: Remove contact lenses, if worn. Wash immediately with plenty of water for at least 60 minutes, keeping the eyelids well open. If the problem persists, get medical advice/attention.

SKIN: Take off any contaminated clothing. Take a shower immediately. Get immediate medical advice/attention. Wash contaminated clothing before reuse.

INHALATION: Move the person to fresh air. If breathing has stopped, administer artificial respiration. Get immediate medical advice/attention.

INGESTION: Get immediate medical advice/attention. Do not induce vomiting. Do not administer anything not expressly authorised by the doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

No specific information is available regarding the symptoms and effects caused by this product.

4.3 Indication of any immediate medical attention and special treatment needed

Treat according to symptoms. Get medical advice/attention.

SECTION 5. Firefighting measures

5.1 Extinguishing media

SUITABLE EXTINGUISHING MEDIA
Traditional extinguishing media to be used: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING DEVICES
Direct water jets.

5.2 Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN CASE OF FIRE
Avoid breathing combustion products such as NOx, COx, SOx, Bromine.

5.3. Advice for firefighters

GENERAL INFORMATION
Spray water to cool the containers in order to prevent product decomposition and the generation of potentially harmful substances. Always wear full protective firefighting gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinguishing and the remains of the fire according to the applicable regulations.

EQUIPMENT
Normal firefighting clothing and equipment, such as self-contained open-circuit compressed air breathing apparatus (EN 137), firefighting protective clothing (EN 469), firefighting gloves (EN 659) and firefighting boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

FOR NON-EMERGENCY RESPONDERS
Alert personnel responsible coordinating the response to such emergencies. Move away from the area affected by the accident if you are not in possession of the personal protective equipment listed in Section 8.

FOR EMERGENCY RESPONDERS
Evacuate all personnel not suitably equipped to deal with the emergency.
Wear suitable protective clothing and equipment, as set out in Section 8 of the safety data sheet, to prevent any contamination of the skin, eyes and personal clothing. Stop leak if safe to do so.
Do not permit workers to access the area affected by the accident until safe conditions have been restored. Ventilate the areas affected by the accident.

6.2 Environmental precautions

Prevent product from entering into drains, surface water, ground water.

6.3 Methods and material for containment and cleaning up

Collect spillage and place it in containers for recovery or disposal. Eliminate the residual material using jets of water if there are no contraindications. Ensure the area affected by the spill is adequately ventilated. Assess the compatibility of the container to use with the product by referring to section 10. Contaminated material should be disposed of in compliance with the provisions set out in point 13.

6.4 Reference to other sections

All information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Ensure an adequate grounding system for installations and people. Do not get in eyes or on skin. Do not breathe vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid dispersal into the surrounding environment.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original container. Store in a ventilated place, away from ignition sources. Keep in hermetically sealed recipients. Keep the product in clearly labelled containers. Avoid overheating. Avoid severe impacts. Store containers away from any incompatible materials, referring to section 10.

7.3 Specific end use(s)

There are no specific end uses other than those identified in Section 1.2 of this safety data sheet.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

The product does not contain any substances that are subject to Community workplace exposure limits (OEL) requiring declaration in this Section.
For the substances mentioned in this section, the DNEL/PNEC values are also reported (although for these substances the relative REACH registration numbers are not available) in order to provide as much information as possible to allow the identification and application of appropriate risk management measures.

Bronopol (INN)

Concentration with no predicted effect on the environment - PNEC		
Reference value in fresh water	0.01	mg/l
Reference value in sea water	0.001	mg/l
Reference value for sediments in fresh water	0.041	mg/kg/d
Reference value for sediments in sea water	0.003	mg/kg/d
Reference value for STP microorganisms	0.43	mg/l
Reference value for the terrestrial compartment	5	mg/kg/d

Health - Derived no-effect level - DNEL/DMEL

	Effects on consumers				Effects on workers			
Routes of exposure	Acute (Local)	Acute (systemic)	Chronic (local)	Chronic (systemic)	Acute (Local)	Acute (systemic)	Chronic (local)	Chronic (systemic)
Oral		1.1 mg/kg bw/d		0.35 mg/kg bw/d				
Inhalation	1.3 mg/m3	3.7 mg/m3	1.3 mg/m3	1.2 mg/m3	4.2 mg/m3	12.3 mg/m3	4.2 mg/m3	4.1 mg/m3
Dermal	8 µg/cm²	4.2 mg/kg bw/d	8 µg/cm²	1.4 mg/kg bw/d	13 µg/cm²	7 mg/kg bw/d	13 µg/cm²	2.3 mg/kg bw/d

VND = hazard identified but no DNEL/PNEC available; NEA = no exposure anticipated; NPI = no risk identified.

For inert powders

When conducting the risk assessment process, it is advisable to evaluate the occupational exposure limit values stipulated by the ACGIH for inert dusts that are otherwise not (PNOC respirable fraction: 3 mg/mc; PNOC inhalable fraction: 10 mg/mc). If these limits are exceeded, we recommend using a P-type filter with class (1, 2 or 3) selected according to the outcome of the risk assessment.

8.2. Exposure controls.

Since the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace by means of an effective local extraction system. If necessary, consult your chemical suppliers when choosing personal protective equipment. Personal protective devices must bear the CE marking which certifies their compliance with the regulations in force. Provide an emergency shower with eye wash station.

HAND PROTECTION
Protect hands with permeation-resistant category III A, C work gloves (e.g. butyl rubber or equivalent) (ref. EN 374 standard). The following factors should be taken into account when selecting the appropriate work glove material: compatibility, degradation, breakage time and permeation. Owing to the unpredictable nature of the preparation, the gloves' resistance to chemical agents should be tested before being used. The gloves' expected useful life depends on how long they are worn and under what conditions.

SKIN PROTECTION
Wear work clothes with long sleeves and professional, category III safety footwear (Ref. (EU) 2016/425 and EN ISO 20344 standard). Wash with soap and water after removing protective clothing.

EYE PROTECTION
It is recommended to wear a face shield with helmet or faceshield with goggles (REF. EN 166).

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is advisable to wear a mask with type P filter (for particles) for which the class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (see the standard EN 14387). In cases where gas or vapours of a different nature, and/or gases or vapours containing particles (aerosols, fumes, mists, etc.) are present, a combination of different filters should be used. The use of respiratory protection is necessary if technical measures taken are not sufficient to limit the exposure of the worker to the threshold values taken into consideration. Note that masks can only provide limited protection.
If the substance considered is odourless or its olfactory threshold is higher than the relative TLV-TWA and in the event of an emergency, wear an open circuit compressed air breathing apparatus (see standard EN 137) or fresh air breathing (see standard EN 138). Refer to standard EN 529 standard for the correct respiratory protective device.

ENVIRONMENTAL EXPOSURE CONTROLS.
Emissions from production processes, including those from ventilation equipment, should be checked for compliance with environmental protection legislation.

Product residues must not be disposed of without control in waste water or water courses.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	solid
Colour	white
Odour	Not available
Odour threshold	N/A
pH	Not applicable (the product is solid)
Melting or freezing point	Not available
Initial boiling point	Not applicable
Boiling range	N/A
Flash point	Not applicable
Evaporation rate	N/A
Solid/gas flash point	Not available
Lower flash point limit	Not available
Upper flash point limit	Not available
Lower explosive limit	Not available

Upper explosive limit	Not available
Vapour pressure	Not applicable (the product is a mixture)
Vapour density	Not applicable (the product is a mixture)
Relative density	Not available
Solubility	in water
Partition coefficient: n-octanol/water	Not available
Self-ignition temperature	Not applicable (the product is not combustible)
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not applicable (absence of chemical groups associated with explosive properties, pursuant to the provisions of Annex I, Part 2, chapter 2.1.4.3 of Reg. (EC) 1272/2008 (CLP).
Oxidising properties	Not applicable (absence of the requirements related to the presence of atoms and/or chemical bonds associated with oxidising properties in the molecules of the components, pursuant to the provisions of Annex I, Part 2, 2.13.4 of Reg. (EC) 1272/2008 (CLP).

9.2. Other information

No information is available

SECTION 10. Stability and reactivity

10.1 Reactivity

The product can react in the presence of strong oxidising agents, acids and / or strong bases.

10.2. Chemical stability

The product is stable if kept in the original containers, and stored at a temperature lower than that of accelerated self-decomposition (SADT).

10.3. Possibility of hazardous reactions

The product can react in the presence of strong oxidising agents, acids and/or strong bases.

10.4. Conditions to avoid

Avoid overheating. Avoid electrostatic build-ups. Avoid all ignition sources. Avoid transfer to containers potentially contaminated with other substances. Avoid storage near flammable products or fuels. Strong oxidising agents, acids and/or strong bases.

10.5. Incompatible materials

Strong reducing agents and oxidants, strong bases and acids, high temperature materials. Strong oxidisers.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the formation of explosive peroxides or other potentially dangerous substances such as NOx, SOx, COx, Bromine.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Metabolism, kinetics, mechanism of action and other information

No information is available

Information on likely routes of exposure

No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available

Interactive effects

No information is available

ACUTE TOXICITY
Based on the available data and taking into account the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified in this hazard class.

LC50 (Inhalation) of the mixture: >20 mg/l
LD50 (Oral) of the mixture: >2000 mg/kg
LD50 (Skin) of the mixture: >2000 mg/kg

SKIN CORROSION / IRRITATION
On the basis of the available data and taking into account the classification criteria set out in Table 3.2.3 of Annex I of Reg. (EC) 1272/2008 and subsequent amendments, the product is classified as ***Skin Irrit. 2, H315.***

SERIOUS EYE DAMAGE / IRRITATION
On the basis of the available data and taking into account the classification criteria set out in Table 3.3.3 of Annex I of Reg. (EC) 1272/2008 and subsequent amendments, the product is classified as ***Eye Dam. 1, H318.***

RESPIRATORY OR SKIN SENSITISATION
Based on the available data and taking into account the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified in this hazard class.

GERM CELL MUTAGENICITY
Based on the available data and taking into account the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified in this hazard class.

CARCINOGENICITY
Based on the available data and taking into account the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified in this hazard class.

REPRODUCTIVE TOXICITY
Based on the available data and taking into account the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified in this hazard class.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE
Based on the available data and taking into account the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified in this hazard class.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE
Based on the available data and taking into account the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified in this hazard class.

ASPIRATION HAZARD
Based on the available data and taking into account the classification criteria of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments, the product is not classified in this hazard class.

Below is the toxicological information for the substances contained in the mixture:

Bronopol (INN)
LD50 (Oral) 305 mg/kg Rat
LD50 (Skin) 1600 mg/kg rat

SECTION 12. Ecological information

12.1 Toxicity

Based on the evaluation of the classification of components and the classification provisions set out in Annex I, Part 4 of Reg. (EC) 1272/2008 and subsequent amendments, the mixture is classified as dangerous for the environment ***Aquatic Acute 1; H400.***

Bronopol (INN)

LC50 - Fish	>20 mg/l/96h Lepomis macrochirus
EC50 - Crustaceans	1.4 mg/l/48h Daphnia magna
EC50 - Algae/Aquatic Plants	0.25 mg/l/72h Skeletonema costatum

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4. Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

According to available data, the product does not contain PBT or vPvB substances in percentages greater than 0.1%.

12.6 Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Reuse, if possible. Product residues are to be considered special hazardous waste. The hazardousness of waste containing this product should be evaluated according to the legislation in force.
Disposal must be carried out by an authorised waste management company, in compliance with national and local regulations.

CONTAMINATED PACKAGING
Contaminated packaging must be sent for recycling or disposal in compliance with national waste handling regulations.

SECTION 14. Transport information

These goods must be transported by vehicles equipped and authorised for the carriage of hazardous goods according to the provisions set out in the current edition of the Code of International Carriage of Hazardous Goods by Road (ADR) and in all the applicable national regulations. Products should be transported in their original packaging and in any case in packages that are made from materials resistant to their content and unlikely to cause hazardous reactions with it. People loading and unloading hazardous goods must be trained on all the risks deriving from the substance and on all actions to be taken in the event of emergencies.

14.1. UN Number

ADR/ADN/RID: 3077

IMDG: 3077
IATA: 3077

14.2. UN proper shipping name

ADR/ADN/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (bronopol(INN))
IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (bronopol(INN))
IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (bronopol(INN))

14.3 Transport hazard class(es)

ADR/ADN/RID: 9
IMDG: 9
IATA: 9

14.4. Packing group

ADR/ADN/RID: III
IMDG: III
IATA: III

14.5. Environmental hazards

ADR/ADN/RID: YES
IMDG: YES
Marine Pollutant: NO
IATA: YES

14.6. Special precautions for user

ADR/ADN/RID:
Classification code: M7
Transport category: 3
N. Kemler: 90
Labels: 9 + environmental hazard
Special provisions: 274, 335, 375, 601
Limited quantity: 5 kg
Exempt quantity: E1
Tunnel code: -

IMDG
Labels: 9 + environmental hazard
Special provisions: 274, 335, 966, 967, 969
Limited quantity: 5 kg
Exempt quantity: E1
EmS: F-A, S-F
Stowage and handling: Category A. SW23
Segregation -

IATA
Labels: Miscellaneous

Exempt quantity: E1

Packaging instructions:	Cargo:	956	Passengers:	956	Limited quantity:	Y956
Maximum quantity:		400 kg		400 kg		30 kg G

Special instructions: A97, A158, A179, A197

14.7. Transport in bulk according to Annex II of Marpol and the IBC Codecode

If you intend to carry out the transport in bulk, follow Annex II MARPOL 73/78 and the IBC code where applicable.

SECTION 15. Regulatory information

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

Seveso category - Directive 2012/18/EC: E1

Biocidal Products Regulation (Reg. (EU) 528/2012): not applicable

Detergent regulations (Reg. (EC) 648/2004): not applicable

Dir. 2004/42/EC - VOC/Italian Leg. Decr. 161/2006: not applicable

Restrictions concerning the product or substances it contains pursuant to Annex XVII Regulation (EC) 1907/2006.

None

Substances in Candidate List (Art. 59 REACH)

Based on the available data, the product does not contain SVHC substances in percentages greater than 0.1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to export notification Reg. (CE) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Health Inspections

Workers exposed to this chemical agent that is hazardous to health must be subjected to health surveillance according to the provisions of Art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk for the health and safety of the worker has been assessed as irrelevant, pursuant to the provisions of Art. 224 paragraph 2.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the mixture and the substances it contains.

SECTION 16. Other information

Text concerning the hazard (H) statements mentioned in sections 2-3 of the data sheet:

Org. Perox C	Organic peroxide, category C
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Eye Dam. 1	Severe eye damage, category 1

Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity — single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
H242	Heating may cause a fire.
H331	Toxic if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

KEY:
- ADR: European Agreement concerning the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration that has an effect on 50% of the test population
- CE NUMBER: Number identifier in ESIS (European database of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived no-effect level
- EmS: Emergency Schedule
- GHS: Globally harmonised system of classification and labelling of chemicals
- IATA DGR: Regulations for the safe transport of dangerous goods of the international air transport association
- IC50: Immobilisation concentration of 50% of the test population
- IMDG: International Maritime Dangerous Goods Code
- IMO: International Maritime Organisation
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predicted exposure level
- PNEC: Predicted no-effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation on the international carriage of dangerous goods by rail
- TLV: Threshold limit value
- TLV CEILING: Concentration that should not be exceeded at any time during occupational exposure.
- TWA STEL: Short term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Water hazard class (Germany).

CALCULATION METHODS

Physical-chemical hazards: the degree of hazard was determined using the classification criteria set out in the CLP Regulation, Annex I Part 2 and subsequent amendments

The health hazards were assessed using the calculation method set out in Reg. (EC) 1272/2008 (CLP), and subsequent amendments, on the classification of mixtures when data is available on all or some of the components of the mixture:

Acute Tox: application of criteria in Table 3.1.1. Annex I Part 3 of the CLP Regulation and subsequent amendments
Skin Corr. 1A / 1B / 1C H314: application of additive formula criteria in Table 3.2.3 Annex I Part 3 of the CLP Regulation
Skin Irrit 2 H315: application of additive formula criteria in Table 3.2.3 Annex I Part 3 of the CLP Regulation
Eye Dam 1 H318: application of additive formula criteria in Table 3.3.3 Annex I Part 3 of the CLP Regulation
Eye Irrit. 2 H319: application of the additivity formula criteria in Table 3.3.3 Annex I Part 3 of the CLP Regulation
Eye Irrit. 2 H319: table 3.3.3 of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments.
Skin Sens 1A/1B/1 H317 Table 3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments.
Skin Sens 1A/1B/1 H334 Table 3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments.
Muta. 1A/1B,2 H340 - H341: table 3.5.2 Annex I Part 3 of the CLP Regulation and subsequent amendments
Carc. 1A/1B, 2 H350 - H351: table 3.6.2 Annex I Part 3 of the CLP Regulation and subsequent amendments

Repr. 1A/1B, 2 H360 - H361: table 3.7.2 Annex I Part 3 of the CLP Regulation and subsequent amendments
STOT SE 1, 2 H370 - 371: application of calculation methods - table 3.8.3 of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments.
STOT SE 3 H336: chap. 3.8.3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 and subsequent amendments.
STOT RE 1, 2 H372 - H373: table 3.9.4 Annex I Part 3 of the CLP Regulation and subsequent amendments
Asp Tox 1 H304: application of the criteria in 3.10 Annex I Part 3 of the CLP Regulation and subsequent amendments

Environmental hazards have been assessed using the calculation method established by Reg. (EC) 1272/2008 (CLP), and subsequent amendments, on the classification of mixtures when data is available on all or some of the components of the mixture:
Acute toxicity in the aquatic environment: Table 4.1.1 of Annex I, Part 4 of Reg. (EC) 1272/2008 and subsequent amendments.
toxicity in the aquatic environment, chronic effects: table 4.1.2 of Annex I, Part 4 of Reg. (EC) 1272/2008 and subsequent amendments.

GENERAL BIBLIOGRAPHY:
1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency Website
- Database of SDS models of chemicals - Ministry of Health and National Institute of Health
Note for users:
The information contained in this sheet are based on our own knowledge on the date of the last version.. The user has the duty to ensure that this information is appropriate and complete with respect to the specific intended use.
This document should not be interpreted as a guarantee of any specific property of the product.
Since the use of the product does not fall under our direct control, the user must therefore take responsibility to observe the hygiene and safety laws and regulations in force. We cannot be held liable for improper use.
Provide adequate training to staff assigned to use chemical products.

Sections modified with respect to the previous version: ALL.