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SAFETY DATA SHEET

SPECTRUS NX1164 (Bioltrol NX 11)

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

1.1. Product identifier

Trade name or designation of the mixture SPECTRUS NX1164 (Bioltrol NX 11)

Version number 11.0

Revision date 11/02/2021

Supersedes date 08/10/2020

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

Identified uses Water-based microbial control agent.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

JV Process and Water Chemicals LLC

Address: Street V. Kadirov 10, Chirchik city,
Tashkent Region, Republic of Uzbekistan, 111727

Tel: +99871 209 10 40

Email address: info@pwch.uz

www.pwch.uz

1.4. Emergency telephone number

Multilingual emergency number (24/7)

Street V. Kadirov 10, Chirchik city,
Tashkent Region,
Republic of Uzbekistan, 111727

Tel: +99871 209 10 40

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

| | | |
|-----------------------------------|-------------|---|
| Skin corrosion/irritation | Category 1C | H314 - Causes severe skin burns and eye damage. |
| Serious eye damage/eye irritation | Category 1 | H318 - Causes serious eye damage. |
| Skin sensitisation | Category 1A | H317 - May cause an allergic skin reaction. |

Environmental hazards

| | | |
|--|------------|--|
| Hazardous to the aquatic environment, acute aquatic hazard | Category 1 | H400 - Very toxic to aquatic life. |
| Hazardous to the aquatic environment, long-term aquatic hazard | Category 1 | H410 - Very toxic to aquatic life with long lasting effects. |



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2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS 55965-84-9) (15,3 g/l)

Hazard pictograms



Signal word Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/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.
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/doctor.

Storage Not available.

Disposal Not available.

Supplemental label information EUH071 - Corrosive to the respiratory tract.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical description Isothiazolinone in aqueous solution

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---------|------------------------|------------------------|--------------|--|
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 1 - < 3 | 55965-84-9 - | - | 613-167-00-5 | |
| Classification: | | | | | Acute Tox. 3;H301, Acute Tox. 2;H310, Skin Corr. 1C;H314, Skin Sens. 1A;H317, Eye Dam. 1;H318, Acute Tox. 2;H330, Aquatic Acute 1;H400(M=100), Aquatic Chronic 1;H410(M=100) |
| Cupric nitrate | < 0,1 | 3251-23-8 221-838-5 | 01-2119969290-34 | - | |
| Classification: | | | | | Ox. Sol. 1;H271, Met. Corr. 1;H290, Skin Corr. 1B;H314, Eye Dam. 1;H318, Aquatic Acute 1;H400(M=10), Aquatic Chronic 1;H410 |

The classification of the above substance(s) is given, including the hazard class, category code and hazard statements which are assigned in accordance with their physicochemical, health and environmental hazards. Please refer to section 16 where the full text of each relevant H-statement is listed.



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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------|---|
| Inhalation | Move to fresh air. In case of loss of consciousness, give artificial respiration. Get medical attention immediately. |
| Skin contact | Take off immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately. |
| Eye contact | Rinse immediately with plenty of water for at least 15 minutes. Keep eyelids apart. Get medical attention immediately. |
| Ingestion | Rinse mouth. Do not induce vomiting. Do not give anything to eat or drink. Call a physician or poison control centre immediately. |

| | |
|---|---|
| 4.2. Most important symptoms and effects, both acute and delayed | Corrosive effects. May cause allergic skin reaction. |
|---|---|

| | |
|--|----------------|
| 4.3. Indication of any immediate medical attention and special treatment needed | Not available. |
|--|----------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|--|
| Suitable extinguishing media | Dry chemical, CO ₂ , water spray or regular foam. |
| Unsuitable extinguishing media | None. |

| | |
|---|---|
| 5.2. Special hazards arising from the substance or mixture | Hydrogen chloride, oxides of carbon and nitrogen evolved in fire. Oxides of sulphur evolved in fire. |
|---|---|

5.3. Advice for firefighters

| | |
|--|---|
| Special protective equipment for firefighters | Self contained breathing apparatus. (CEN : EN 137) Protective clothing (CEN : EN 469) Protective gloves (CEN : EN 659) Helmet (CEN : EN 443) |
| Special fire fighting procedures | Use standard firefighting procedures and consider the hazards of other involved materials. Prevent spillage and fire-fighting water from entering in public sewers or the immediate environment. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------------------------|--|
| For non-emergency personnel | Wear protective clothing, gloves and safety goggles. It is possible to pass or work near the treated system during product application. |
|------------------------------------|--|

| | |
|---------------------------------|--|
| For emergency responders | Use personal protection recommended in Section 8 of the SDS. |
|---------------------------------|--|

6.2. Environmental precautions

Prevent from entering sewers or the immediate environment.
Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.
Transport and store in approved containers according to applicable national and international regulations.



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6.3. Methods and material for containment and cleaning up Keep spills and clean-up residuals out of municipal sewers and open bodies of water. Absorb the spill with spill pillows or inert solids such as clay or vermiculite. Transfer contaminated materials to suitable containers for disposal. Deactivate spill area with freshly prepared solution of 5% sodium bicarbonate and 5% sodium hypochlorite in water. Apply solution to the spill area at a ratio of 10 volumes deactivation solution per estimated volume of residual spill to deactivate any residual active ingredient. Let stand for 30 minutes. Flush the spill area with copious amounts of water to chemical sewer in accordance with local procedures, permits and regulations. DO NOT add deactivation solution to the waste pail to deactivate the adsorbed material.

6.4. Reference to other sections Please refer also to section no. 8 'Exposure controls' for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Avoid contact with skin and eyes. Contains an oxidiser. Avoid all contact with reducing agents, oils, greases and organics. Use only containers which are compatible with the substance.

7.2. Conditions for safe storage, including any incompatibilities Store containers closed when not in use, away from extreme temperatures. Store at temperatures below 35°C. Product evolves carbon dioxide gas slowly. Store upright in original vented container. Store samples in plastic bottles only. No more than 6 months pressure build-up may rupture glass bottles.

7.3. Specific end use(s) Only for industrial users. The material which has been in contact with this product can be cleaned with water. Product is typically used on an intermittent basis to control microbiological growth. It may be used in a programme which includes oxidizing biocides and other treatment chemicals. Normal dosage time is 8 hour to 24 hour per application. Interval between applications between 1 day(s) and 1 week(s). Typical shot dosage from 60 to 80 ppm. Proper treatment levels and ways of addition depend on many factors such as microbial contamination, conditions particular for a given installation, and system operating characteristics. The product should be used in accordance with control procedures that SUEZ Water Technologies & Solutions establishes for a specific application.

Shelf life 270 days

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs)

| Components | Value | Assessment factor | Notes |
|--------------------------------|-----------|-------------------|-------|
| Cupric nitrate (CAS 3251-23-8) | | | |
| Freshwater | 7,8 µg/l | 1 | |
| Marine water | 5,2 µg/l | 1 | |
| Sediment (freshwater) | 87 mg/kg | 1 | |
| Sediment (marine water) | 676 mg/kg | 1 | |
| Soil | 65 mg/kg | 1 | |
| STP | 230 µg/l | 1 | |

8.2. Exposure controls

Appropriate engineering controls Adequate ventilation to maintain air contaminants below exposure limits. Eye wash facilities and emergency shower must be available when handling this product.



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Individual protection measures, such as personal protective equipment

| | |
|--|---|
| Eye/face protection | Splash proof chemical goggles. Face shield. CEN : EN 166 |
| Skin protection | |
| - Hand protection | Full shoulder length butyl gloves (Protection against unintentional short-term contact) Full shoulder length neoprene gloves (Protection against unintentional short-term contact) Penetration time: > 480 min Coating thickness: 0,5 mm CEN : EN 374-1/2/3/4; EN 420 |
| - Other | Chemical resistant clothing that ensures full coverage of the hands, arms and body. Chemical resistant apron. Rubber boots. CEN : EN ISO 13688; EN ISO 6530; EN ISO 6529; EN 14605 |
| Respiratory protection | In case of insufficient ventilation, use a breathing mask with filter type: A2 E2-P2 CEN : EN 140; EN 14387 |
| Thermal hazards | Not available. |
| Environmental exposure controls | Prevent from entering in public sewers or the immediate environment. Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

| | |
|--|----------------------|
| Colour | Pale yellow to green |
| Physical state | Liquid |
| Odour | Slight |
| Odour threshold | Not available. |
| pH (concentrated product) | 3,2 |
| pH in aqueous solution | 4,7 (5% SOL.) |
| Melting point/freezing point | -2 °C |
| Initial boiling point and boiling range | Not available. |
| Flash point | Not applicable. |
| Evaporation rate | < 1 (Ether = 1) |
| Flammability (solid, gas) | Not applicable. |

Upper/lower flammability or explosive limits

| | |
|--|-----------------|
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Vapour pressure | 18 mm Hg |
| Vapour pressure temp. | 21 °C |
| Vapour density | < 1 (Air = 1) |
| Relative density | 1,03 |
| Relative density temperature | 21 °C |
| Solubility | |
| Solubility (water) | 100 % |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not applicable. |
| Decomposition temperature | Not available. |



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| | |
|-------------------------------|-----------------|
| Viscosity | 3 cps |
| Viscosity temperature | 21 °C |
| Explosive properties | Not available. |
| Oxidising properties | Not available. |
| 9.2. Other information | |
| Pour point | 1 °C |
| Shelf life | 270 days |
| VOC | 0 % (Estimated) |

SECTION 10: Stability and reactivity

| | |
|--|---|
| 10.1. Reactivity | Not available. |
| 10.2. Chemical stability | Material is stable under normal conditions. |
| 10.3. Possibility of hazardous reactions | Not applicable. |
| 10.4. Conditions to avoid | Protect from freezing. |
| 10.5. Incompatible materials | Avoid contact with strong oxidisers. Avoid all contact with reducing agents, oils, greases and organics. |
| 10.6. Hazardous decomposition products | Hydrogen chloride. Nitrogen oxides (NOx). Sulphur oxides. |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Product | Test Results |
|--|---|
| SPECTRUS NX1164 (Bioltrol NX 11) (Mixture) | Acute Dermal LD50 Rabbit: > 5000 mg/kg Acute Inhalation LC50 Rat: > 13,7 mg/l 4 Hours Acute Oral LD50 Rat: 3810 mg/kg |

| Components | Test Results |
|--|--|
| Cupric nitrate (3251-23-8) | Acute Oral LD50 Rat: 940 mg/kg |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) | Acute Dermal LD50 Rabbit: 90 mg/kg Acute Inhalation LC50 Rat: 0,33 mg/l 4 hour Acute Oral LD50 Rat: 67 mg/kg |

| | |
|--|---|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | Causes severe skin burns and eye damage. |
| Serious eye damage/irritation | Causes serious eye damage. |
| Respiratory or skin sensitisation | May cause an allergic skin reaction. |
| Specific target organ toxicity - repeated exposure | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - single exposure | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Reproductive toxicity | Based on available data, the classification criteria are not met. |

Information on likely routes of exposure

| | |
|--------------|---|
| Ingestion | Causes digestive tract burns. |
| Inhalation | May cause irritation to the respiratory system. |
| Skin contact | Causes severe skin burns. May cause an allergic skin reaction. |



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| | |
|---|----------------------------|
| Eye contact | Causes serious eye damage. |
| Symptoms | Not available. |
| Mixture versus substance information | None known. |
| Other information | Not available. |

SECTION 12: Ecological information

12.1. Toxicity

| Product | Species | Test Results |
|--|---|---|
| SPECTRUS NX1164 (Bioltrol NX 11) (CAS Mixture) | | |
| Aquatic | | |
| Crustacea | 10% Mortality | Daphnia magna 0,6 mg/l, Flow-Thru Bioassay, 48 hour |
| | LC50 | Daphnia magna 2,9 mg/l, Flow-Thru Bioassay, 48 hour |
| Fish | LC50 | Bluegill sunfish 12,1 mg/l, Static Acute Bioassay, 96 hour |
| | | Fathead minnow 6,6 mg/l, Flow-Thru Bioassay, 96 hour |
| | | Rainbow trout 8,7 mg/l, Static Acute Bioassay, 96 hour |
| | | |
| | | Sheepshead minnow 4,6 mg/l, Chronic Bioassay, 14 day |
| | LOEC | Fathead minnow 20 mg/l, Static Acute Bioassay, 96 hour |
| | NOEL | Bluegill sunfish 4 mg/l, Early Life Stage Test, 36 day |
| | | Fathead minnow 6,5 mg/l, Static Acute Bioassay, 96 hour |
| | | |
| | Rainbow trout 2,5 mg/l, Flow-Thru Bioassay, 96 hour | |
| | | |
| | | |
| | Rainbow trout 1,3 mg/l, Early Life Stage Test, 36 day | |
| | | |
| | Sheepshead minnow 6,5 mg/l, Static Acute Bioassay, 96 hour | |
| | | |
| | | |
| | Sheepshead minnow 3,3 mg/l, Chronic Bioassay, 14 day | |
| | | |
| | | |
| | Sheepshead minnow 12 mg/l, Static Acute Bioassay, 96 hour | |

12.2. Persistence and degradability

The product is anticipated to be rapidly biodegradable based on available data for the individual components.

- COD (mgO2/g) 14
- BOD 28 (mgO2/g) 0
- TOC (mg C/g) 15

12.3. Bioaccumulative potential

Not available.

Partition coefficient n-octanol/water (log Kow)

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) 0,49

Bioconcentration factor (BCF)

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods



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| | |
|-------------------------------------|---|
| Contaminated packaging | According to Hazardous Waste Regulations. EWC (European Waste Code) recommendation : 15 01 10 15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified. 15 01 Packaging (including separately collected municipal packaging waste). 15 01 10 Packaging containing residues of or contaminated by dangerous substances. Depending on the origin and state of the waste, other EWC numbers may be applicable too. |
| Disposal methods/information | According to Hazardous Waste Regulations. EWC (European Waste Code) recommendation : 16 03 05 16 Wastes not otherwise specified in the list. 16 03 Off-specification batches and unused products. 16 03 05 Organic wastes containing dangerous substances. Depending on the origin and state of the waste, other EWC numbers may be applicable too. |

SECTION 14: Transport information

| | |
|------------------------------------|---|
| ADR | |
| 14.1. UN number | UN3265 |
| 14.2. UN proper shipping name | Corrosive liquid, acidic, organic, n.o.s. (Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1, Mixture) |
| 14.3. Transport hazard class(es) | |
| Class | 8 |
| Subsidiary risk | - |
| Tunnel restriction code | (E) |
| 14.4. Packing group | III |
| 14.5. Environmental hazards | Yes |
| 14.6. Special precautions for user | Not available. |
| RID | |
| 14.1. UN number | UN3265 |
| 14.2. UN proper shipping name | Corrosive liquid, acidic, organic, n.o.s. (Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1, Mixture) |
| 14.3. Transport hazard class(es) | |
| Class | 8 |
| Subsidiary risk | - |
| 14.4. Packing group | III |
| 14.5. Environmental hazards | Yes |
| 14.6. Special precautions for user | Not available. |
| ADN | |
| 14.1. UN number | UN3265 |
| 14.2. UN proper shipping name | Corrosive liquid, acidic, organic, n.o.s. (Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1, Mixture) |
| 14.3. Transport hazard class(es) | |
| Class | 8 |
| Subsidiary risk | - |
| 14.4. Packing group | III |
| 14.5. Environmental hazards | Yes |
| 14.6. Special precautions for user | Not available. |
| IATA | |
| 14.1. UN number | UN3265 |
| 14.2. UN proper shipping name | Corrosive liquid, acidic, organic, n.o.s. (Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1, Mixture) |
| 14.3. Transport hazard class(es) | |
| Class | 8 |
| Subsidiary risk | - |
| 14.4. Packing group | III |



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14.5. Environmental hazards Yes
ERG Code Not available.
14.6. Special precautions for user Not available.

IMDG

14.1. UN number UN3265
14.2. UN proper shipping name Corrosive liquid, acidic, organic, n.o.s. (Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1, Mixture)
14.3. Transport hazard class(es)
Class 8
Subsidiary risk -
14.4. Packing group III
14.5. Environmental hazards
Marine pollutant Yes
EmS F-A, S-B
14.6. Special precautions for user Not available.
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code This substance/mixture is not intended to be transported in bulk.

ADN; ADR; IATA; IMDG; RID



Marine pollutant



SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended
Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended
Not listed.



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Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Cupric nitrate (CAS 3251-23-8)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS 55965-84-9)

National regulations Not available.

15.2. Chemical safety assessment Not available.

NSF Registered and/or meets USDA (according to 1998 guidelines): Registration No. – 140985
Category Code(s):
G5 Cooling and retort water treatment products
G7 Boiler, steam line treatment products – nonfood contact

Biocides 11: Preservatives for liquid-cooling and processing systems

Inventory status

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: Other information

List of abbreviations

EC-No: European Commission Number
COD: Chemical Oxygen Demand
IATA: International Air Transport Association
CAS: Chemical Abstract Service.
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CEN: European Committee for Standardization (Comité Européen de Normalisation).
TWA: Time Weighted Average.
STEL: Short-term Exposure Limit.
LD50: Lethal Dose 50%.
LC50: Lethal Concentration 50%.
EC50: Effective Concentration 50%.
NOEL: No observed effect level.
BOD: Biochemical oxygen demand.
TOC: Total Organic Carbon.
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route).



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References

Information on evaluation method leading to the classification of mixture

Full text of any H-statements not written out in full under Sections 2 to 15

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures).

IMDG Code: International Maritime Dangerous Goods Code.

RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).

Safety data sheets of raw materials.

The physical, health and environmental hazards of this mixture are assessed by applying the classification criteria for each hazard class or differentiation in Parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008 (CLP).

H271 May cause fire or explosion; strong oxidiser.

H290 May be corrosive to metals.

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Revision information

SECTION 2: Hazards identification: Supplemental label information

SECTION 7: Handling and storage: 7,3. Specific end use(s)

SECTION 16: Other information: Further information

Training information

Based on EC Directive / Regulations

Provide training on safe handling while considering the type of application and exposure scenarios.

(EC) No 1907/2006 (REACH)

(EU) 2015/830

(EU) No. 528/2012 and amendments (Biocidal Product Regulation)

All active ingredients have been identified/notified for the relevant Product Types according to the First Review Regulation on existing active substances (EU) No. 1451/2007

(EC) No 1272/2008

(EU) No 1357/2014

Further information

Correction in Section: 2