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SAFETY DATA SHEET

SPECTRUS NX1165 (Bioltrol NX 50)

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

1.1. Product identifier

Trade name or designation of the mixture SPECTRUS NX1165 (Bioltrol NX 50)

Version number 7.4

Revision date 23/06/2020

Supersedes date 15/05/2019

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

Identified uses Biocide

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

Acute toxicity, oral	Category 3	H301 - Toxic if swallowed.
Acute toxicity, inhalation	Category 2	H330 - Fatal if inhaled.
Skin corrosion/irritation	Category 1B	H314 - Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
Respiratory sensitisation	Category 1	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation	Category 1A	H317 - May cause an allergic skin reaction.



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Specific target organ toxicity - single exposure Category 3 respiratory tract irritation H335 - May cause respiratory irritation.

Environmental hazards
 Hazardous to the aquatic environment, long-term aquatic hazard Category 2 H411 - Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Contains: Glutaraldehyde (CAS 111-30-8) (565 g/l)

Hazard pictograms



Signal word Danger

Hazard statements

- H301 Toxic if swallowed.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H330 Fatal if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P273 Avoid release to the environment.

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.
- 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.
- 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 Glutaraldehyde, aqueous solution

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Glutaraldehyde	40 - < 60	111-30-8 203-856-5	01-2119455549-26	605-022-00-X	
Classification:	Acute Tox. 3;H301, Skin Corr. 1B;H314, Skin Sens. 1A;H317, Acute Tox. 2;H330, Resp. Sens. 1;H334, STOT SE 3;H335, Aquatic Acute 1;H400(M=1), Aquatic Chronic 2;H411				
Methanol	<= 1	67-56-1 200-659-6	01-2119433307-44	603-001-00-X	#
Classification:	Flam. Liq. 2;H225, Acute Tox. 3;H301, Acute Tox. 3;H311, Acute Tox. 3;H331, STOT SE 1;H370				



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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.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of loss of consciousness, give artificial respiration. For breathing difficulties, oxygen may be necessary. 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	Immediately flush eyes with plenty of water for at least 15 minutes. Keep eyelids apart. Remove contact lenses, if present and easy to do. Get medical attention immediately.
Ingestion	Rinse mouth. Do not give anything to eat or drink. Do not induce vomiting. Call a physician or poison control centre immediately.

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

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 known.

5.2. Special hazards arising from the substance or mixture Oxides of carbon 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.

6.3. Methods and material for containment and cleaning up Isolate spill by diking.
Spill area may be neutralised with sodium bisulfite solution.
Absorb onto inert material and dispose of according to Hazardous Waste Regulations.



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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.
Clean spill immediately.
Do not create an aerosol.
Do not breathe vapours.

7.2. Conditions for safe storage, including any incompatibilities Store in cool, dry location away from acids and alkalies.
Store in a well ventilated place.
Store containers closed when not in use.
Use approved containers only.
Storage area to be marked with appropriate identification and hazard warning signs.

7.3. Specific end use(s) Only for professional and 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. The minimum contact time is: 3 hours. 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 360 days

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Glutaraldehyde (CAS 111-30-8)	STEL	0,2 mg/m3
	TWA	0,05 ppm
		0,2 mg/m3
Methanol (CAS 67-56-1)	STEL	333 mg/m3
	TWA	250 ppm
		266 mg/m3
		200 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m3
		200 ppm

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

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs)

Workers

Components	Value	Assessment factor	Notes	
Glutaraldehyde (CAS 111-30-8)	Long-term, Local, Inhalation	0,25 mg/m3	1	
	Long-term, Systemic, Dermal	6,25 mg/kg bw/day	24	Repeated dose toxicity
	Short-term, Local, Inhalation	0,5 mg/m3	1	
Methanol (CAS 67-56-1)	Long-term, Local, Inhalation	260 mg/m3	1	
	Long-term, Systemic, Dermal	40 mg/kg	1	
	Long-term, Systemic, Inhalation	260 mg/m3	1	
	Short-term, Local, Inhalation	260 mg/m3	1	
	Short-term, Systemic, Dermal	40 mg/kg	1	



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Short-term, Systemic, Inhalation 260 mg/m3 1

Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
Glutaraldehyde (CAS 111-30-8)			
Freshwater	2,5 µg/l	10	
Intermittent releases	6 µg/l	100	
Marine water	0,25 µg/l	100	
Sediment (freshwater)	527 µg/kg		
Sediment (marine water)	52,7 µg/kg		
Soil	0,03 mg/kg	50	
STP	0,8 mg/l	100	
Methanol (CAS 67-56-1)			
Freshwater	20,8 mg/l	10	
Intermittent releases	1540 mg/l	10	
Marine water	2,08 mg/l	100	
Sediment (freshwater)	77 mg/kg		
Sediment (marine water)	7,7 mg/kg		
Soil	100 mg/kg	10	
STP	100 mg/l	10	

Exposure guidelines

UK EH40 WEL: Skin designation

Methanol (CAS 67-56-1) Can be absorbed through the skin.

8.2. Exposure controls

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

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 nitrile gloves (Protection against unintentional short-term contact)
Full shoulder length butyl 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.
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-P3
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 Yellow

Physical state Liquid

Odour Mild

Odour threshold Not available.

pH (concentrated product) 3,6

pH in aqueous solution 3,9 (5% SOL.)

Melting point/freezing point -16 °C



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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	15 mm Hg
Vapour pressure temp.	20 °C
Vapour density	> 1 (Air = 1)
Relative density	1,13
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.
Viscosity	21 cps
Viscosity temperature	21 °C
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information

Pour point	-13 °C
Shelf life	360 days
VOC	50 %

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	Keep away from heat.
10.5. Incompatible materials	Aluminium. Avoid contact with strong bases. Avoid contact with strong acids. Avoid contact with strong oxidisers.
10.6. Hazardous decomposition products	Oxides of carbon evolved in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Product	Test Results
SPECTRUS NX1165 (Bioltrol NX 50) (Mixture)	Acute Dermal LD50 Rabbit: > 2000 mg/kg Acute Inhalation LC50 Rat: 0,28 mg/l 4 h Acute Oral LD50 Rat: 200 mg/kg
Components	Test Results
Glutaraldehyde (111-30-8)	Acute Dermal LD50 Rabbit: > 2000 mg/kg



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Components	Test Results
Methanol (67-56-1)	Acute Inhalation LC50 Rat: 0,28 mg/l 4 hour Acute Oral LD50 Rat: 200 mg/kg Acute Dermal LD50 Rabbit: 15800 mg/kg Acute Inhalation LC50 Rat: 85 mg/l 4 hour Acute Oral LD50 Rat: 5628 mg/kg
Acute toxicity	Fatal if inhaled. Toxic if swallowed.
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. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	May cause respiratory irritation.
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	Toxic if swallowed. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhoea.
Inhalation	Fatal if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause coughing, breathing difficulties, or shortness of breath. Corrosive to the respiratory tract.
Skin contact	Causes severe skin burns. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Symptoms	Not available.
Aspiration hazard	Based on available data, the classification criteria are not met.
Mixture versus substance information	None known.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity

Product	Species	Test Results
SPECTRUS NX1165 (Bioltrol NX 50) (CAS Mixture)		
	LC50	Eastern Oyster Larvae
	NOEL	Eastern Oyster Larvae
Aquatic		
Crustacea	LC50	Daphnia magna
		Mysid Shrimp
	NOEL	Daphnia magna
		8,8 mg/l, Chronic Bioassay, 21 day



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Product		Species	Test Results
Fish	LC50	Mysid Shrimp	1,7 mg/l, Flow-Thru Bioassay, 96 hour
		Bluegill sunfish	22,3 mg/l, Static Acute Bioassay, 96 hour
		Fathead minnow	11,7 mg/l, Static Acute Bioassay, 96 hour
		Rainbow trout	21,7 mg/l, Static Renewal Bioassay, 96 hour
		Sheepshead minnow	63,9 mg/l, Flow-Thru Bioassay, 96 hour
	LOEC NOEL	Fathead minnow	6 mg/l, Early Life Stage Test, 32 day
		Bluegill sunfish	9,9 mg/l, Static Acute Bioassay, 96 hour
		Fathead minnow	7,7 mg/l, Static Acute Bioassay, 96 hour
		Rainbow trout	2,9 mg/l, Early Life Stage Test, 32 day
		Sheepshead minnow	15,4 mg/l, Static Renewal Bioassay, 96 hour
		47,7 mg/l, Flow-Thru Bioassay, 96 hour	

Components		Species	Test Results
Glutaraldehyde (CAS 111-30-8)			
	LC50	Daphnia magna	10 mg/l, 48 hour
		Fathead minnow	10,8 mg/l, 96 hour
Aquatic			
Algae	EC50	Algae	1,38 mg/l
Fish	LC50	Rainbow trout	24 mg/l, 96 hour

12.2. Persistence and degradability

83 % degradation in 28 days
 OECD 301A
 Testing has shown product to be readily biodegradable.

- COD (mgO2/g) 1090
- BOD 5 (mgO2/g) 0
- BOD 28 (mgO2/g) 555
- TOC (mg C/g) 350

12.3. Bioaccumulative potential Not available.

Partition coefficient n-octanol/water (log Kow)

Glutaraldehyde	-0,33
Methanol	-0,77

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	UN2922
14.2. UN proper shipping name	Corrosive liquid, toxic, n.o.s. (Glutaraldehyde, Mixture)
14.3. Transport hazard class(es)	
Class	8
Subsidiary risk	6.1
Tunnel restriction code	(E)
14.4. Packing group	II
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Not available.

RID

14.1. UN number	UN2922
14.2. UN proper shipping name	Corrosive liquid, toxic, n.o.s. (Glutaraldehyde, Mixture)
14.3. Transport hazard class(es)	
Class	8
Subsidiary risk	6.1
14.4. Packing group	II
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Not available.

ADN

14.1. UN number	UN2922
14.2. UN proper shipping name	Corrosive liquid, toxic, n.o.s. (Glutaraldehyde, Mixture)
14.3. Transport hazard class(es)	
Class	8
Subsidiary risk	6.1
14.4. Packing group	II
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Not available.

IATA

14.1. UN number	UN2922
14.2. UN proper shipping name	Corrosive liquid, toxic, n.o.s. (Glutaraldehyde, Mixture)
14.3. Transport hazard class(es)	
Class	8
Subsidiary risk	6.1
14.4. Packing group	II



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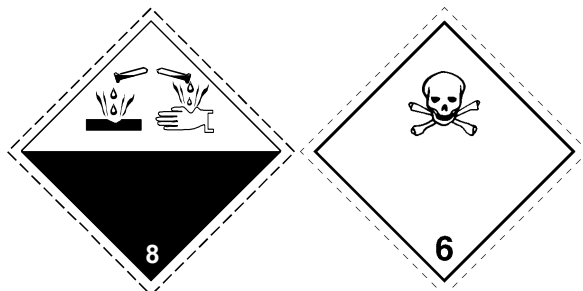
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14.5. Environmental hazards Yes
ERG Code Not available.
14.6. Special precautions for user Not available.

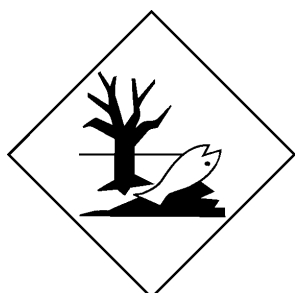
IMDG

14.1. UN number UN2922
14.2. UN proper shipping name Corrosive liquid, toxic, n.o.s. (Glutaraldehyde, Mixture)
14.3. Transport hazard class(es)
Class 8
Subsidiary risk 6.1
14.4. Packing group II
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

Not listed.

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

Methanol (CAS 67-56-1) 40

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

Glutaraldehyde (CAS 111-30-8)

Methanol (CAS 67-56-1)

National regulations Not available.

15.2. Chemical safety assessment Not available.

NSF Registered and/or meets USDA (according to 1998 guidelines): Registration No. – 152355
 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

COD: Chemical Oxygen Demand
 IATA: International Air Transport Association
 CAS: Chemical Abstract Service.
 EC-No: European Commission Number
 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.



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References	ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route). 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.
Information on evaluation method leading to the classification of mixture	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).
Full text of any H-statements not written out in full under Sections 2 to 15	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H330 Fatal if inhaled. H331 Toxic if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H370 Causes damage to organs. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Revision information	SECTION 2: Hazards identification: Hazard statements Composition / Information on Ingredients: Disclosure Overrides SECTION 3: Composition/information on ingredients: Composition comments SECTION 8: Exposure controls/personal protection: - Hand protection SECTION 8: Exposure controls/personal protection: - Other Physical & Chemical Properties: Multiple Properties SECTION 11: Toxicological information: Carcinogenicity SECTION 11: Toxicological information: Germ cell mutagenicity SECTION 11: Toxicological information: Reproductive toxicity SECTION 11: Toxicological information: Specific target organ toxicity - repeated exposure SECTION 16: Other information: Further information GHS: Classification
Training information	Provide training on safe handling while considering the type of application and exposure scenarios.
Based on EC Directive / Regulations	(EC) No 1907/2006 (REACH) (EU) 2015/830 (EC) No 1272/2008 (EU) No 1357/2014 (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
Further information	Correction in Section: 8,11,16