

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

### 1.1. Product identifier

Product form	: Mixture
Trade name	: Corrosion Inhibitor WP 2212
Product code	: WP 2212
Type of product	: Blend based on solvents and on corrosion inhibitor
Product group	: Blend

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec	: Industrial For professional use only
Use of the substance/mixture	: Corrosion Inhibitor

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Wessex Chemical Factors Ltd  
17 Crane Way, Woolsbridge Industrial Park,  
Three Legged Cross, Wimborne, Dorset – BH21 6FA  
United Kingdom  
T +44 (0) 1202 823 699 - F +44 (0) 1202 813 863  
[www.wessexchemicalfactors.co.uk](http://www.wessexchemicalfactors.co.uk)  
E-mail address of competent person responsible for the SDS : [info@wessexchemicalfactors.co.uk](mailto:info@wessexchemicalfactors.co.uk)

### 1.4. Emergency telephone number

Emergency number	: +44 (0) 1202 823 699 (Office hours only 9am - 5pm Monday - Thursday, 9am - 4pm Friday.) +44 (0) 7973629367 (Out of hours emergency number)
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4	H302
Skin sensitisation, Category 1	H317

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

Harmful if swallowed.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP)	: Warning
Contains	: sodium nitrite, 2-methyl-2H-isothiazol-3-one

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Hazard statements (CLP)	: H302 - Harmful if swallowed. H317 - May cause an allergic skin reaction.
Precautionary statements (CLP)	: P261 - Avoid breathing mist, spray, vapours. P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear eye protection, protective gloves, protective clothing. P301+P312 - IF SWALLOWED: Call doctor if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P330 - Rinse mouth. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
sodium nitrite	CAS-No.: 7632-00-0 EC-No.: 231-555-9 EC Index-No.: 007-010-00-4 REACH-no: 01-2119471836-27-XXXX	3 – 5	Ox. Sol. 3, H272 Acute Tox. 3 (Oral), H301 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=1)
disodium molybdate dihydrate	CAS-No.: 10102-40-6 EC-No.: 231-551-7 REACH-no: 01-2119489495-21-0007	1 – 3	Not classified
sodium benzoate	CAS-No.: 532-32-1 EC-No.: 208-534-8	0.1 – 0.5	Eye Irrit. 2, H319
acyl amido carboxylic acid, alkanol amine salt	-	< 0.5	Not classified
monopropylene glycol (MPG)	CAS-No.: 57-55-6 EC-No.: 200-338-0 REACH-no: 01-2119456809-23-XXXX	0.01 – 0.1	Not classified
propan-2-ol; isopropyl alcohol; isopropanol	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25-XXXX	0.01 – 0.1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Benzotriazole	CAS-No.: 95-14-7 EC-No.: 202-394-1	0.01 – 0.1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-methyl-2H-isothiazol-3-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9	< 0.01	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	< 0.01	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411
sodium hydroxide; caustic soda	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27-XXXX	< 0.01	Met. Corr. 1, H290 Skin Corr. 1A, H314

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
2-methyl-2H-isothiazol-3-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9	( 0.0015 ≤ C ≤ 100) Skin Sens. 1A, H317
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	( 0.05 ≤ C ≤ 100) Skin Sens. 1, H317
sodium hydroxide; caustic soda	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27-XXXX	( 0.5 ≤ C < 2) Eye Irrit. 2, H319 ( 0.5 ≤ C < 2) Skin Irrit. 2, H315 ( 2 ≤ C < 5) Skin Corr. 1B, H314 ( 5 ≤ C < 100) Skin Corr. 1A, H314

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash skin with plenty of water. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/effects after inhalation : May cause an allergic skin reaction.  
Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Use extinguishing media appropriate for surrounding fire. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide. Nitrogen oxides. Metal oxides.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Stop leak without risks if possible.  
Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13. See Section 8. Exposure controls and personal protection.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing spray, mist, vapours.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash Both hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA) [1]	999 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	400 ppm
WEL STEL (OEL STEL)	1250 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
monopropylene glycol (MPG) (57-55-6)	
United Kingdom - Occupational Exposure Limits	
Local name	Propane-1,2-diol
WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup> particulates 474 mg/m <sup>3</sup> total vapour and particulates
WEL TWA (OEL TWA) [2]	150 ppm total vapour and particulates
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
disodium molybdate dihydrate (10102-40-6)	
United Kingdom - Occupational Exposure Limits	
Local name	Molybdenum
WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup> insoluble compounds (as Mo) 5 mg/m <sup>3</sup> soluble compounds (as Mo)
WEL STEL (OEL STEL)	20 mg/m <sup>3</sup> insoluble compounds (as Mo) 10 mg/m <sup>3</sup> soluble compounds (as Mo)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

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sodium hydroxide; caustic soda (1310-73-2)	
United Kingdom - Occupational Exposure Limits	
Local name	Sodium hydroxide
WEL STEL (OEL STEL)	2 mg/m <sup>3</sup>
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. Protective goggles. Avoid all unnecessary exposure.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses. Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, colorless liquid.
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 7.3 – 7.5 (1% solution)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: ~ 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.047 g/cm <sup>3</sup>
Solubility	: soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions. Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

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Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

<b>Corrosion Inhibitor WP 2212</b>	
ATE CLP (oral)	500 mg/kg bodyweight
<b>sodium nitrite (7632-00-0)</b>	
LD50 oral rat	180 mg/kg bodyweight
LD50 dermal	No data/information is available for acute dermal toxicity. Sodium nitrite is not expected to pass the skin.
LC50 Inhalation - Rat (Dust/Mist)	Testing concerning acute inhalation toxicity is not meaningful, since sodium nitrite has an extreme high water solubility and leads to oral uptake.
<b>propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)</b>	
LD50 oral rat	5045 mg/kg
LD50 dermal rabbit	12800 mg/kg
LC50, male, female, Inhalation, rat	> 10000 ppm (6 Hours, (OECD 403 method))
<b>sodium benzoate (532-32-1)</b>	
LD50 oral rat	3450 mg/kg bodyweight
<b>Benzotriazole (95-14-7)</b>	
LD50 oral rat	500 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight
<b>monopropylene glycol (MPG) (57-55-6)</b>	
LD50 oral rat	22000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
<b>disodium molybdate dihydrate (10102-40-6)</b>	
LD50 oral rat	2733 – 6556 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 1.93 mg/l/4h
<b>2-methyl-2H-isothiazol-3-one (2682-20-4)</b>	
LD50 oral rat	183 mg/kg bodyweight
LD50 dermal rat	218 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	0.53 mg/l/4h
<b>1,2-benzisothiazol-3(2H)-one (2634-33-5)</b>	
LD50 oral rat	490 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>sodium hydroxide; caustic soda (1310-73-2)</b>	
LD50 oral	325 mg/kg bodyweight
Skin corrosion/irritation	: Not classified pH: 7.3 – 7.5 (1% solution)
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified pH: 7.3 – 7.5 (1% solution)
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: May cause an allergic skin reaction.



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Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### sodium nitrite (7632-00-0)

IARC group	2A - Probably carcinogenic to humans
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### sodium nitrite (7632-00-0)

NOAEL (chronic, oral, animal/male, 2 years)	130 mg/kg bodyweight Rat
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NOAEL (chronic, oral, animal/female, 2 years)	150 mg/kg bodyweight Rat
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Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

STOT-single exposure	May cause drowsiness or dizziness.
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STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### sodium nitrite (7632-00-0)

NOEL, male, oral, rat	10 mg/kg bw/day (2 years)
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Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Harmful if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### sodium nitrite (7632-00-0)

LC50 - Fish [1]	0.54 – 26.3 mg/l Rainbow trout ( <i>Onchorhynchus mykiss</i> )
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EC50 - Crustacea [1]	15.4 mg/l
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EC50 - Other aquatic organisms [1]	4.93 mg/l <i>Cherax quadricarinatus</i>
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ErC50 algae	> 100 mg/l
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EC50, daphnia, short term	15.4 mg/l (48 Hours)
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LC50, aquatic invertebrates	4.93 mg/l (96 Hours)
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EC50, aquatic algae	> 100 mg/l (72 Hours)
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EC50, microorganisms	421 mg/l (48 Hours)
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NOEC, fish, Chronic	6.61 mg/l (31 days)
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NOEC, daphnia, Chronic	9.86 mg/l (80 days)
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### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

LC50 - Fish [1]	9640 mg/l Fathead minnow ( <i>Pimephales promelas</i> )
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<b>propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)</b>	
EC50 72h - Algae [1]	> 1000 mg/l (Desmodesmus subspicatus)
EC50, daphnia, short term	9714 mg/l (24 Hours, (OECD 202 method))
EC5, microorganisms, Pseudomonas putida	1050 mg/l (16 Hours)
<b>sodium benzoate (532-32-1)</b>	
LC50 - Fish [1]	484 mg/l Fathead minnow (Pimephales promelas)
EC50 - Crustacea [1]	> 100 mg/l
<b>Benzotriazole (95-14-7)</b>	
LC50 - Fish [1]	180 mg/l Zebrafish (Danio rerio)
LC50 - Fish [2]	55 mg/l
EC50 - Crustacea [1]	15.8 mg/l
EC50 72h - Algae [1]	75 mg/l
NOEC chronic crustacea	0.97 mg/l
NOEC chronic algae	1.18 mg/l
<b>monopropylene glycol (MPG) (57-55-6)</b>	
LC50 - Fish [1]	40613 mg/l Oncorhynchus mykiss (Rainbow trout)
LC50 - Fish [2]	55770 mg/l Pimephales promelas (Fat-head Minnow)
EC50 - Crustacea [1]	> 4000 mg/l 48 hours
EC50 96h - Algae [1]	19000 mg/l Scenedesmus subspicatus
<b>disodium molybdate dihydrate (10102-40-6)</b>	
LC50 - Fish [1]	1536 mg/l Fat-head Minnow (Pimephales promelas)
EC50 - Crustacea [1]	330.1 mg/l
NOEC chronic fish	43.2 mg/l Rainbow trout (Oncorhynchus mykiss)
NOEC chronic crustacea	89.5 mg/l
<b>2-methyl-2H-isothiazol-3-one (2682-20-4)</b>	
LC50 - Fish [1]	4.77 mg/l Rainbow trout, Oncorhynchus mykiss
EC50 - Crustacea [1]	0.87 mg/l
EC50 72h - Algae [1]	0.157 mg/l
EC50, microorganisms	41 mg/l (3 Hours)
<b>1,2-benzisothiazol-3(2H)-one (2634-33-5)</b>	
LC50 - Fish [1]	2.15 mg/l Rainbow trout (Oncorhynchus mykiss)
EC50 - Crustacea [1]	2.9 mg/l
ErC50 algae	0.11 mg/l
NOEC chronic algae	0.0403 mg/l
<b>sodium hydroxide; caustic soda (1310-73-2)</b>	
LC50 - Fish [1]	125 mg/l Test organisms (species): Western mosquitofish (Gambusia affinis)
EC50 - Crustacea [1]	40.4 mg/l Test organisms (species): Ceriodaphnia sp.
EC50, microorganisms, (Photobacterium phosphoreum)	22 mg/l (15 minutes)

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### 12.2. Persistence and degradability

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Persistence and degradability	Not established.
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#### sodium nitrite (7632-00-0)

Persistence and degradability	Not established.
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#### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

Persistence and degradability	Readily biodegradable.
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#### sodium benzoate (532-32-1)

Persistence and degradability	Not established.
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#### monopropylene glycol (MPG) (57-55-6)

Persistence and degradability	Biodegradable.
Chemical oxygen demand (COD)	1.53 g O <sub>2</sub> /g substance
ThOD	1.68 g O <sub>2</sub> /g substance

#### disodium molybdate dihydrate (10102-40-6)

Persistence and degradability	soluble in water.
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#### 1,2-benzisothiazol-3(2H)-one (2634-33-5)

Persistence and degradability	Biodegradable.
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### 12.3. Bioaccumulative potential

#### Corrosion Inhibitor WP 2212

Bioaccumulative potential	Not established.
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#### sodium nitrite (7632-00-0)

Bioaccumulative potential	Not established.
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#### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

Partition coefficient n-octanol/water (Log Pow)	0.05
Bioaccumulative potential	No bioaccumulation.

#### sodium benzoate (532-32-1)

Partition coefficient n-octanol/water (Log Pow)	-2.27
Bioaccumulative potential	Not established.

#### monopropylene glycol (MPG) (57-55-6)

Partition coefficient n-octanol/water (Log Pow)	-1.07
Bioaccumulative potential	No bioaccumulation.

#### disodium molybdate dihydrate (10102-40-6)

Bioaccumulative potential	Not established.
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#### 1,2-benzisothiazol-3(2H)-one (2634-33-5)

Partition coefficient n-octanol/water (Log Pow)	1.3
Bioaccumulative potential	Low.

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### sodium hydroxide; caustic soda (1310-73-2)

Bioaccumulative potential	No bioaccumulation.
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### 12.4. Mobility in soil

#### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

Surface tension	22.7 mN/m
Ecology - soil	Very mobile. Soluble material/quickly disperses in water.

#### disodium molybdate dihydrate (10102-40-6)

Ecology - soil	Soluble material/quickly disperses in water.
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### sodium hydroxide; caustic soda (1310-73-2)

Ecology - soil	Mobile. Soluble material/quickly disperses in water.
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### 12.5. Results of PBT and vPvB assessment

#### Component

sodium nitrite (7632-00-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
disodium molybdate dihydrate (10102-40-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
sodium benzoate (532-32-1)	PBT: not relevant – no registration required
monopropylene glycol (MPG) (57-55-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Benzotriazole (95-14-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1,2-benzisothiazol-3(2H)-one (2634-33-5)	PBT: not relevant – no registration required
sodium hydroxide; caustic soda (1310-73-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

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ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

#### 15.1.2. National regulations

No additional information available

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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

### Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.

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Full text of H- and EUH-statements:	
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Met. Corr. 1	Corrosive to metals, Category 1
Ox. Sol. 3	Oxidising Solids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.