

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
 Issue date: 10/10/2024 Revision date: 10/10/2024 Supersedes version of: 08/02/2024 Version: 7.2

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : LX1 System Guard Inhibitor 500ml  
 Type of product : Solution  
 Product group : Trade product  
 Other means of identification : EAN13: 5060103691401

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

##### Relevant identified uses

Intended for general public  
 Main use category : Professional use, Consumer use  
 Use of the substance/mixture : Corrosion inhibitors  
 scale inhibitor  
 Function or use category : Corrosion inhibitors

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

##### Supplier

SALUS UK & SALUS Europe  
 Unit 8-10  
 Northfield Business Park  
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 S60 1SD Rotherham  
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 T +44 1226 323994  
[sales@salus-tech.com](mailto:sales@salus-tech.com), [salus-controls.com](http://salus-controls.com)

##### Distributor

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##### Manufacturer

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 T +44(0)1638666888 Helpline +44(0)8458806050, F +44(0)1638666999  
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##### Distributor

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##### Distributor

Salus Controls European Distributions sp. z o. o  
 ul. Sokolska 68 A-B street  
 Sosnowiec  
 Poland  
[www.saluscontrols.com](http://www.saluscontrols.com)

#### 1.4. Emergency telephone number

| Country/Area   | Organisation/Company   | Address                           | Emergency number  | Comment                           |
|----------------|--|-----------------------------------|-------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH Birmingham | 0344 892 0111     | Only for healthcare professionals |
| United Kingdom | Helpline   | Newmarket                         | +44 845 880 60 50 | Mon - Fri 9am - 5pm<br>GMT        |

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements : EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

| Name   | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|---|---------|---|
| 2,2',2"-nitrioltriethanol                                | CAS-No.: 102-71-6<br>EC-No.: 203-049-8<br>REACH-no: 01-2119486482-31                                | < 5     | Not classified  |
| Disodium molybdate                                       | CAS-No.: 7631-95-0<br>EC-No.: 231-551-7<br>REACH-no: 01-2119489495-21                               | < 5     | Not classified  |
| MPG (propane-1,2-diol)                                   | CAS-No.: 57-55-6<br>EC-No.: 200-338-0<br>REACH-no: 01-2119456809-23, UK-01-6702687939-4             | < 2     | Not classified  |
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | CAS-No.: 2634-33-5<br>EC-No.: 220-120-9<br>EC Index-No.: 613-088-00-6<br>REACH-no: 01-2120761540-60 | < 0.004 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Specific concentration limits:                           |   |                                     |
|--|---|-------------------------------------|
| Name   | Product identifier  | Specific concentration limits (%)   |
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one | CAS-No.: 2634-33-5<br>EC-No.: 220-120-9<br>EC Index-No.: 613-088-00-6<br>REACH-no: 01-2120761540-60 | (0.05 ≤ C ≤ 100) Skin Sens. 1; H317 |

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            | : If you feel unwell, seek medical advice. If medical advice is needed, have product container or label at hand. |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Wash skin with plenty of water.  |
| First-aid measures after eye contact  | : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse eyes with water as a precaution.     |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.   |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects                    | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation   | : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).       |
| Symptoms/effects after skin contact | : Contact during a long period may cause light irritation.                                 |
| Symptoms/effects after eye contact  | : May cause eye irritation.  |
| Symptoms/effects after ingestion    | : Ingestion may cause nausea and vomiting.   |

### 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 : Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area.

#### 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".  
Emergency procedures : Cover spill with non combustible material, e.g.: sand/earth.

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.  
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.

## 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.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

| MPG (propane-1,2-diol) (57-55-6)              |  |
|---|--|
| United Kingdom - Occupational Exposure Limits |  |
| Local name                                    | Propane-1,2-diol   |
| WEL TWA (OEL TWA)                             | 10 mg/m <sup>3</sup> particulates<br>474 mg/m <sup>3</sup> total vapour and particulates |
|   | 150 ppm total vapour and particulates  |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE  |

#### Exposure limit values for the other components

| 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 |

#### DNEL and PNEC

| 2,2',2''-nitrioltriethanol (102-71-6) |                          |
|---------------------------------------|--------------------------|
| DNEL/DMEL (Workers)                   |                          |
| Long-term - systemic effects, dermal  | 7.5 mg/kg bodyweight/day |
| Long-term - local effects, dermal     | 140 µg/cm <sup>2</sup>   |

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| <b>2,2',2''-nitrilotriethanol (102-71-6)</b> |                           |
|--|---------------------------|
| Long-term - local effects, inhalation        | 1 mg/m <sup>3</sup>       |
| <b>DNEL/DMEL (General population)</b>        |                           |
| Long-term - systemic effects, oral           | 3.3 mg/kg bodyweight/day  |
| Long-term - systemic effects, dermal         | 2.66 mg/kg bodyweight/day |
| Long-term - local effects, dermal            | 70 µg/cm <sup>2</sup>     |
| Long-term - local effects, inhalation        | 0.4 mg/m <sup>3</sup>     |
| <b>PNEC (Water)</b>                          |                           |
| PNEC aqua (freshwater)                       | 0.32 mg/l                 |
| PNEC aqua (marine water)                     | 0.032 mg/l                |
| PNEC aqua (intermittent, freshwater)         | 5.12 mg/l                 |
| <b>PNEC (Sediment)</b>                       |                           |
| PNEC sediment (freshwater)                   | 1.7 mg/kg dwt             |
| PNEC sediment (marine water)                 | 0.17 mg/kg dwt            |
| <b>PNEC (Soil)</b>                           |                           |
| PNEC soil                                    | 0.151 mg/kg dwt           |
| <b>PNEC (STP)</b>                            |                           |
| PNEC sewage treatment plant                  | 10 mg/l                   |
| <b>Disodium molybdate (7631-95-0)</b>        |                           |
| <b>DNEL/DMEL (Workers)</b>                   |                           |
| Long-term - systemic effects, inhalation     | 23.97 mg/m <sup>3</sup>   |
| <b>DNEL/DMEL (General population)</b>        |                           |
| Long-term - systemic effects, oral           | 7.3 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation     | 7.15 mg/m <sup>3</sup>    |
| <b>PNEC (Water)</b>                          |                           |
| PNEC aqua (freshwater)                       | 25.5 mg/l                 |
| PNEC aqua (marine water)                     | 4.89 mg/l                 |
| <b>PNEC (Sediment)</b>                       |                           |
| PNEC sediment (freshwater)                   | 45300 mg/kg dwt           |
| PNEC sediment (marine water)                 | 5080 mg/kg dwt            |
| <b>PNEC (Soil)</b>                           |                           |
| PNEC soil                                    | 20.39 mg/kg dwt           |
| <b>PNEC (STP)</b>                            |                           |
| PNEC sewage treatment plant                  | 46.57 mg/l                |
| <b>MPG (propane-1,2-diol) (57-55-6)</b>      |                           |
| <b>DNEL/DMEL (Workers)</b>                   |                           |
| Long-term - systemic effects, inhalation     | 168 mg/m <sup>3</sup>     |
| Long-term - local effects, inhalation        | 10 mg/m <sup>3</sup>      |

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| MPG (propane-1,2-diol) (57-55-6)         |                      |
|--|----------------------|
| <b>DNEL/DMEL (General population)</b>    |                      |
| Long-term - systemic effects, inhalation | 50 mg/m <sup>3</sup> |
| Long-term - local effects, inhalation    | 10 mg/m <sup>3</sup> |
| <b>PNEC (Water)</b>                      |                      |
| PNEC aqua (freshwater)                   | 260 mg/l             |
| PNEC aqua (marine water)                 | 26 mg/l              |
| PNEC aqua (intermittent, freshwater)     | 183 mg/l             |
| <b>PNEC (Sediment)</b>                   |                      |
| PNEC sediment (freshwater)               | 572 mg/kg dwt        |
| PNEC sediment (marine water)             | 57.2 mg/kg dwt       |
| <b>PNEC (Soil)</b>                       |                      |
| PNEC soil                                | 50 mg/kg dwt         |
| <b>PNEC (STP)</b>                        |                      |
| PNEC sewage treatment plant              | 20000 mg/l           |

## 8.2. Exposure controls

### Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### Personal protection equipment

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



### Eye and face protection

#### Eye protection:

Safety glasses (EN 166). Safety glasses

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

### Hand protection:

Protective gloves against chemicals (EN 374)

### Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Colour : light yellow.

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|   |                        |
|---|------------------------|
| Appearance                                      | : Liquid.              |
| Odour   | : mild. aromatic.      |
| Odour threshold                                 | : Not available        |
| Melting point                                   | : Not applicable       |
| Freezing point                                  | : Not available        |
| Boiling point                                   | : Not available        |
| Flammability                                    | : Non flammable.       |
| Lower explosion limit                           | : Not available        |
| Upper explosion limit                           | : Not available        |
| Flash point                                     | : Not available        |
| Auto-ignition temperature                       | : Not available        |
| Decomposition temperature                       | : Not available        |
| pH  | : ≈ 8.2 (8 – 8.5)      |
| Viscosity, kinematic                            | : Not available        |
| Solubility                                      | : Soluble in water.    |
| Partition coefficient n-octanol/water (Log Kow) | : Not available        |
| Vapour pressure                                 | : Not available        |
| Vapour pressure at 50°C                         | : Not available        |
| Density   | : Not available        |
| Relative density                                | : ≈ 1.09 (1.05 – 1.09) |
| Relative vapour density at 20°C                 | : Not available        |
| Particle characteristics                        | : Not applicable       |

### 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.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### 2,2',2''-nitrotriethanol (102-71-6)

|               |  |
|---------------|--|
| LD50 oral rat | 6400 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
|---------------|--|

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| <b>Disodium molybdate (7631-95-0)</b>                                       |   |
|---|---|
| LD50 dermal rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:    |
| <b>MPG (propane-1,2-diol) (57-55-6)</b>                                     |   |
| LD50 oral rat   | 22000 mg/kg bodyweight Animal: rat  |
| LD50 dermal rabbit  | > 2000 mg/kg bodyweight Animal: rabbit  |
| LC50 Inhalation - Rat   | > 44.9 mg/l air Animal: rat, Guideline: other:  |
| <b>1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)</b> |   |
| LD50 dermal rat   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                                |
| Skin corrosion/irritation   | : Not classified<br>pH: ≈ 8.2 (8 – 8.5)   |
| Serious eye damage/irritation   | : Not classified<br>pH: ≈ 8.2 (8 – 8.5)   |
| Respiratory or skin sensitisation   | : Not classified  |
| Germ cell mutagenicity  | : Not classified  |
| Carcinogenicity   | : Not classified  |
| <b>2,2',2''-nitrilotriethanol (102-71-6)</b>                                |   |
| NOAEL (chronic, oral, animal/male, 2 years)                                 | 63 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies)                |
| Reproductive toxicity   | : Not classified  |
| <b>1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)</b> |   |
| NOAEL (animal/female, F1)   | 56.6 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects) |
| STOT-single exposure  | : Not classified  |
| STOT-repeated exposure  | : Not classified  |
| <b>2,2',2''-nitrilotriethanol (102-71-6)</b>                                |   |
| NOAEL (oral, rat, 90 days)  | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)    |
| <b>Disodium molybdate (7631-95-0)</b>                                       |   |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days)                            | > 0.1 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)                  |
| <b>MPG (propane-1,2-diol) (57-55-6)</b>                                     |   |
| NOAEL (subchronic, oral, animal/male, 90 days)                              | 443 mg/kg bodyweight Animal: cat, Animal sex: male  |
| Aspiration hazard   | : Not classified  |
| <b>1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)</b> |   |
| Viscosity, kinematic  | Not applicable  |

### 11.2. Information on other hazards

No additional information available

## 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.



# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| <b>2,2',2''-nitrilotriethanol (102-71-6)</b> |   |
|--|---|
| LC50 - Fish [1]                              | 11800 mg/l Test organisms (species): Pimephales promelas  |
| EC50 - Crustacea [1]                         | 609.88 mg/l Test organisms (species): Ceriodaphnia dubia  |
| EC50 72h - Algae [1]                         | 512 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2]                         | 216 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| NOEC chronic fish                            | > 1 mg/l Test organisms (species): other:   |

| <b>MPG (propane-1,2-diol) (57-55-6)</b> |  |
|---|--|
| LC50 - Fish [1]                         | 51600 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)  |
| LC50 - Fish [2]                         | 51400 mg/l Test organisms (species): Pimephales promelas   |
| EC50 72h - Algae [1]                    | 24200 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2]                    | 19300 mg/l Test organisms (species): Skeletonema costatum  |
| EC50 96h - Algae [1]                    | 19000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [2]                    | 19100 mg/l Test organisms (species): Skeletonema costatum  |

| <b>1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)</b> |  |
|---|--|
| LC50 - Fish [1]   | ≈ 16.7 mg/l Test organisms (species): Cyprinodon variegatus                              |
| LC50 - Fish [2]   | 2.15 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1]  | 2.94 mg/l Test organisms (species): Daphnia magna  |
| EC50 - Crustacea [2]  | 2.9 mg/l Test organisms (species): Daphnia magna   |

### 12.2. Persistence and degradability

| <b>LX1 System Guard Inhibitor 500ml</b>                                     |                        |
|---|------------------------|
| Persistence and degradability   | Not rapidly degradable |
| <b>2,2',2''-nitrilotriethanol (102-71-6)</b>                                |                        |
| Persistence and degradability   | Not rapidly degradable |
| <b>Disodium molybdate (7631-95-0)</b>                                       |                        |
| Persistence and degradability   | Not rapidly degradable |
| <b>MPG (propane-1,2-diol) (57-55-6)</b>                                     |                        |
| Persistence and degradability   | Not rapidly degradable |
| <b>1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)</b> |                        |
| Persistence and degradability   | Not rapidly degradable |

### 12.3. Bioaccumulative potential

No additional information available

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## 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 : Clean with water.

## SECTION 14: Transport information

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

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

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Council Regulation (EC) for the control of dual-use items

Contains substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items: Triethanolamine (102-71-6).

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes

| Section | Changed item          | Comments     |
|---------|-----------------------|--------------|
|         | Supersedes version of | <b>Added</b> |
|         | Revision date         | <b>Added</b> |

### Abbreviations and acronyms:

|     |   |
|-----|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE | Acute Toxicity Estimate   |
| BCF | Bioconcentration factor   |
| BLV | Biological limit value  |
| BOD | Biochemical oxygen demand (BOD)   |

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| COD                         | Chemical oxygen demand (COD)   |
| DMEL                        | Derived Minimal Effect level   |
| DNEL                        | Derived-No Effect Level  |
| EC-No.                      | European Community number  |
| EC50                        | Median effective concentration   |
| EN                          | European Standard  |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration  |
| LD50                        | Median lethal dose   |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disruptor  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| EUH210                              | Safety data sheet available on request.                           |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| H302                                | Harmful if swallowed.   |
| H315                                | Causes skin irritation.   |
| H317                                | May cause an allergic skin reaction.                              |

# LX1 System Guard Inhibitor 500ml

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| H318                                | Causes serious eye damage.                       |
| H400                                | Very toxic to aquatic life.                      |
| H411                                | Toxic to aquatic life with long lasting effects. |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2            |
| Skin Sens. 1                        | Skin sensitisation, Category 1                   |

Safety Data Sheet (SDS), EU

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