

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

#### 1.1. Product identifier

Product form : Mixture  
Authorisation number : GB-2015-0905  
Trade name : Solo Blox  
UFI : RJ3A-60AQ-E00E-FV2P  
Product code : 933200, 933201

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Anti-coagulant  
Rodenticides  
Ready to use product

##### 1.2.2. Uses advised against

Restrictions on use : Not to be used for any purpose other than the one the product was designed for

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

##### Manufacturer

Bell Laboratories, Inc.  
3699 Kinsman Blvd.  
53704 Madison, WI  
USA  
T 608 241 0202  
[registration@belllabs.com](mailto:registration@belllabs.com) - <https://www.belllabs.com/>

##### Holder of the authorisation

Bell Laboratories UK Ltd  
The Balance, 7th Floor  
Pinfold Street  
S1 2GU Sheffield  
UK  
[emea@belllabs.com](mailto:emea@belllabs.com)

#### 1.4. Emergency telephone number

| Country        | Organisation/Company      | Address   | Emergency number | Comment          |
|----------------|---------------------------|-----------|------------------|------------------|
| United Kingdom | NHS 111/NHS 24/NHS Direct | Edinburgh | 111 0845 4647    | or call a doctor |

### SECTION 2: Hazards identification

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

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

Reproductive toxicity, Category 1A H360  
Specific target organ toxicity – Repeated exposure, Category 2 H373  
Full text of H- and EUH-statements: see section 16

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

May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



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GHS08

|                                |                                                                                                                                                                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word (CLP)              | : Danger                                                                                                                                                                                                                                                     |
| Hazard statements (CLP)        | : H360 - May damage fertility or the unborn child.<br>H373 - May cause damage to organs through prolonged or repeated exposure.                                                                                                                              |
| Precautionary statements (CLP) | : P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P280 - Wear protective gloves.<br>P314 - Get medical advice/attention if you feel unwell.<br>P405 - Store locked up. |

### 2.3. Other hazards

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

| Component                                      |                                                                                                                                                                                 |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potassium (E,E)-hexa-2,4-dienoate (24634-61-5) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, 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 is 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

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                                                                              | Product identifier                                                     | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                                                                     |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potassium (E,E)-hexa-2,4-dienoate                                                                 | CAS-No.: 24634-61-5<br>EC-No.: 246-376-1<br>EC Index-No.: 019-003-00-3 | 1     | Eye Irrit. 2, H319                                                                                                                                                                                  |
| Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin | CAS-No.: 56073-10-0<br>EC-No.: 259-980-5<br>EC Index-No.: 607-172-00-1 | 0.005 | Acute Tox. 1 (Oral), H300<br>Acute Tox. 1 (Dermal), H310<br>Acute Tox. 1 (Inhalation), H330<br>Repr. 1A, H360D<br>STOT RE 1, H372<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10) |

| Specific concentration limits:                                                                    |                                                                        |                                                                                                                               |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Name                                                                                              | Product identifier                                                     | Specific concentration limits                                                                                                 |
| Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin | CAS-No.: 56073-10-0<br>EC-No.: 259-980-5<br>EC Index-No.: 607-172-00-1 | ( 0.002 $\leq$ C < 0.02) STOT RE 2, H373<br>( 0.003 $\leq$ C < 100) Repr. 1A, H360D<br>( 0.02 $\leq$ C < 100) STOT RE 1, H372 |

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

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : IF exposed or concerned: Get medical advice/attention.                                                                                    |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                            |
| First-aid measures after skin contact | : Wash skin with soap and water. Seek medical attention if ill effect or irritation develops.                                               |
| First-aid measures after eye contact  | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| First-aid measures after ingestion    | : Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.                                                          |

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

|                                  |                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after ingestion | : May cause irritation to the digestive tract. Ingestion may cause nausea and vomiting. Bleeding. Lethargy. Thirst. Diarrhea. |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|

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

Treat symptomatically. ANTIDOTE: Vitamin K1.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                             |
|--------------------------------|---------------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. inert gas. |
| Unsuitable extinguishing media | : None known.                               |

#### 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

##### 6.1.1. For non-emergency personnel

|                                  |                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency procedures             | : Only qualified personnel equipped with suitable protective equipment may intervene. Pick up and arrange disposal without creating dust. |
| Measures in case of dust release | : Do not breathe dust.                                                                                                                    |

##### 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". |
| Emergency procedures | : Pick up and arrange disposal without creating dust.                                                                                                       |

#### 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

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

|                         |                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Collect spillage. Clean up immediately. Collect all waste in suitable and labelled containers and dispose according to local legislation.                      |
| Methods for cleaning up | : Mechanically recover the product. Clean preferably with a detergent - Avoid the use of solvents. Notify authorities if product enters sewers or public waters. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                                                                                  |

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### 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Place inaccessible to children, companion animals and non-target animals. Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and animals. |
| Hygiene measures              | : Separate working clothes from town clothes. Launder separately. 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 locked up. Store in a well-ventilated place. Keep cool.                                                                                                                                                          |
| Heat and ignition sources | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                                                                                                         |
| Storage area              | : Keep only in original container. Store in cool, dry conditions in well sealed receptacles. Store away from foodstuffs. Store away from heat. Place inaccessible to children, companion animals and non-target animals. |

### 7.3. Specific end use(s)

Rodenticides. Ready to use product.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

No additional information available

#### 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:**  
Wear protective gloves.

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### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Not required

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear rubber gloves or Latex gloves

##### Hand protection:

For subsequent manual processing, chemical resistant gloves (EN 374) must be worn.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment. Do not allow to enter drains or water courses.

## SECTION 9: Physical and chemical properties

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

|                                                 |                  |
|-------------------------------------------------|------------------|
| Physical state                                  | : Solid          |
| Colour                                          | : red.           |
| Appearance                                      | : Blocks. Wax.   |
| Odour                                           | : Sweet. Grains. |
| Odour threshold                                 | : Not available  |
| Melting point                                   | : Not available  |
| Freezing point                                  | : Not applicable |
| Boiling point                                   | : Not available  |
| Flammability                                    | : Non flammable. |
| Explosive limits                                | : Not applicable |
| Lower explosion limit                           | : Not applicable |
| Upper explosion limit                           | : Not applicable |
| Flash point                                     | : Not applicable |
| Auto-ignition temperature                       | : Not applicable |
| Decomposition temperature                       | : Not available  |
| pH                                              | : Not available  |
| pH solution                                     | : Not available  |
| Viscosity, kinematic                            | : Not applicable |
| Solubility                                      | : Not available  |
| 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                                | : Not available  |
| Relative vapour density at 20°C                 | : Not applicable |
| Particle size                                   | : Not available  |

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### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

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

Extreme temperatures. (below 0°C or above 40°C).

### 10.5. Incompatible materials

Avoid strongly alkaline materials.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. High temperature decomposition or burning in air can result in the formation of toxic gases, which may include carbon monoxide and traces of bromine and hydrogen bromide.

## 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                                                             |
| Additional information      | : Please note, the data below pertains to the active ingredient brodifacoum. |

| Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0) |                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat                                                                                                  | < 5 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral) |
| LD50 dermal rat                                                                                                | 7.48 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Female, Experimental value, Dermal)                 |
| LC50 Inhalation - Rat                                                                                          | 0.00305 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Female, Experimental value, Inhalation (dust))        |

Skin corrosion/irritation : Not classified

| Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0) |                         |
|----------------------------------------------------------------------------------------------------------------|-------------------------|
| pH                                                                                                             | 4.5 Source: Akron Univ. |

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| Serious eye damage/irritation     | : Not classified                            |
| Respiratory or skin sensitisation | : Not classified                            |
| Germ cell mutagenicity            | : Not classified                            |
| Carcinogenicity                   | : Not classified                            |
| Reproductive toxicity             | : May damage fertility or the unborn child. |

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STOT-single exposure : Not classified  
STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

### **Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)**

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| STOT-repeated exposure | Causes damage to organs (blood) through prolonged or repeated exposure. |
|------------------------|-------------------------------------------------------------------------|

Aspiration hazard : Not classified (Not applicable)

### **11.2. Information on other hazards**

#### **11.2.1. Endocrine disrupting properties**

Adverse health effects caused by endocrine disrupting properties : This substance/mixture contains no components considered to be endocrine disruptors.

#### **11.2.2. Other information**

No additional information available

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Ecology - general : This product is extremely toxic to birds and mammals.  
Hazardous to the aquatic environment, short-term (acute) : Not classified (The environmental risk assessment shows that brodifacoum does not cause unacceptable risk in the aquatic environment.)  
Hazardous to the aquatic environment, long-term (chronic) : Not classified (The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment)  
Not rapidly degradable  
Additional information : Please note, the data below pertains to the active ingredient brodifacoum.

### **Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)**

|                      |                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | 0.042 mg/l (OECD 203: Fish, Acute Toxicity Test, Oncorhynchus mykiss, Semi-static system, Experimental value, GLP) |
| EC50 - Crustacea [1] | 0.25 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Experimental value, GLP)          |
| ErC50 algae          | 0.04 mg/l (OECD 201: Alga, Growth Inhibition Test, Selenastrum capricornutum, Experimental value, GLP)             |

### **12.2. Persistence and degradability**

### **Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)**

|                               |                                     |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |
|-------------------------------|-------------------------------------|

### **12.3. Bioaccumulative potential**

### **Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)**

|                                                 |                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 4.92 (Experimental value, 20 °C)                                  |
| Bioaccumulative potential                       | Potential for bioaccumulation ( $4 \leq \text{Log Kow} \leq 5$ ). |

### **12.4. Mobility in soil**

### **Brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)**

|                |                                                                                                                                |
|----------------|--------------------------------------------------------------------------------------------------------------------------------|
| Ecology - soil | Brodifacoum is immobile in soil ( $K_{oc} > 9155 \text{ l/kg}$ ). Mobility of Brodifacoum in soil is considered to be minimal. |
|----------------|--------------------------------------------------------------------------------------------------------------------------------|

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### 12.5. Results of PBT and vPvB assessment

#### Component

|                                                |                                                                                                                                                                                 |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potassium (E,E)-hexa-2,4-dienoate (24634-61-5) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : None known.

### 12.7. Other adverse effects

Other adverse effects : None.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with relevant local regulations. European waste catalogue (EWC) Waste code 20 01 19\*: pesticides.  
Sewage disposal recommendations : Do not allow product to reach the sewage system.

## 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 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

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### Rail transport

Not regulated

### 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

#### 15.1.1. 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)

##### 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)

#### 15.1.2. National regulations

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### 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)                                                                 |
| COD  | Chemical oxygen demand (COD)                                                                    |
| DMEL | Derived Minimal Effect level                                                                    |
| DNEL | Derived-No Effect Level                                                                         |

| Abbreviations and acronyms: |                                                                              |
|-----------------------------|------------------------------------------------------------------------------|
| 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 disrupting properties                                              |

| Full text of H- and EUH-statements: |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Acute Tox. 1 (Dermal)               | Acute toxicity (dermal), Category 1                               |
| Acute Tox. 1 (Inhalation)           | Acute toxicity (inhal.), Category 1                               |
| Acute Tox. 1 (Oral)                 | Acute toxicity (oral), Category 1                                 |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| H300                                | Fatal if swallowed.                                               |
| H310                                | Fatal in contact with skin.                                       |
| H319                                | Causes serious eye irritation.                                    |
| H330                                | Fatal if inhaled.                                                 |
| H360                                | May damage fertility or the unborn child.                         |

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| Full text of H- and EUH-statements: |                                                                    |
|-------------------------------------|--------------------------------------------------------------------|
| H360D                               | May damage the unborn child.                                       |
| H372                                | Causes damage to organs through prolonged or repeated exposure.    |
| H373                                | May cause damage to organs through prolonged or repeated exposure. |
| H400                                | Very toxic to aquatic life.                                        |
| H410                                | Very toxic to aquatic life with long lasting effects.              |
| Repr. 1A                            | Reproductive toxicity, Category 1A                                 |
| STOT RE 1                           | Specific target organ toxicity – Repeated exposure, Category 1     |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2     |

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.