

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830 Issue date: 16/03/2016 Revision date: 06/09/2023 Supersedes version of: 17/11/2022 Version: 11.0

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

### **1.1. Product identifier**

| Product form  | : | Mixture              |
|---------------|---|----------------------|
| Product name  | : | BUYRITE DESCALER 52% |
| UFI           | : | HHC0-Q05Q-R005-1UM4  |
| Product group | : | Blend                |

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

### 1.2.1. Relevant identified uses

No additional information available

### 1.2.2. Uses advised against

No additional information available

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

Central Chemical Supplies Limited 44 Hall Road BT66 7LJ Donaghcloney Craigavon Northern Ireland T 02838881936, F 02838882335 Info@ccsni.co.uk, www.centralchemicalsupplies.co.uk

### **1.4. Emergency telephone number**

Emergency number

: +447872501842

| Country/Area | Organisation/Company                                     | Address                                  | Emergency number   | Comment |
|--------------|--|--|--|---------|
| Ireland      | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |

### **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                     |

| Acute toxicity (oral), Category 4                      | 11302 |
|--|-------|
| Acute toxicity (inhalation:dust,mist) Category 4       | H332  |
| Skin corrosion/irritation, Category 1, Sub-Category 1A | H314  |
| Serious eye damage/eye irritation, Category 1          | H318  |
| Hazardous to the aquatic environment – Chronic Hazard, | H412  |
| Category 3   |       |
| Full text of H- and EUH-statements: see section 16     |       |

Adverse physicochemical, human health and environmental effects

Harmful if inhaled. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

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### 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS05 GHS07 Signal word (CLP) : Danger : phosphoric acid ... %, orthophosphoric acid ... %; nitric acid ... % [C > 70 %] Contains Hazard statements (CLP) : H302+H332 - Harmful if swallowed or if inhaled. H314 - Causes severe skin burns and eye damage. H412 - Harmful to aquatic life with long lasting effects. Precautionary statements (CLP) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 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<br>Regulation (EC) No. 1272/2008<br>[CLP]   |
|--|---|---------|---|
| PHOSPHORIC ACID 81.5%<br>substance with national workplace exposure limit(s)<br>(AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB,<br>GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT,<br>RO, SE, SI, SK, IS, NO, MK, RS, CH, TR); substance<br>with a Community workplace exposure limit | CAS-No.: 7664-38-2<br>EC-No.: 231-633-2<br>EC Index-No.: 015-011-00-6                                   | 25 – 50 | Acute Tox. 4 (Oral), H302 (ATE=500<br>mg/kg bodyweight)<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412        |
| NITRIC ACID 55-60%<br>substance with national workplace exposure limit(s)<br>(AT, BG, CZ, DK, EE, FI, GB, HU, LT, NL, PL, SE,<br>SK, IS, NO, CH)   | CAS-No.: 7697-37-2<br>EC-No.: 231-714-2<br>EC Index-No.: 007-004-00-1<br>REACH-no: 01-2119487297-<br>23 | 25 – 50 | Acute Tox. 4 (Inhalation:dust,mist), H332<br>(ATE=1.5 mg/l/4h)<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 |

| Specific concentration limits: |   |   |
|--------------------------------|---|---|
| Name                           | Product identifier  | Specific concentration limits (%)   |
| PHOSPHORIC ACID 81.5%          | CAS-No.: 7664-38-2<br>EC-No.: 231-633-2<br>EC Index-No.: 015-011-00-6 | (10 ≤ C < 25) Skin Irrit. 2, H315<br>(10 ≤ C < 25) Eye Irrit. 2, H319<br>(25 ≤ C ≤ 100) Skin Corr. 1B, H314 |

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| Specific concentration limits: |   |   |
|--------------------------------|---|---|
| Name                           | Product identifier  | Specific concentration limits (%)                                 |
| NITRIC ACID 55-60%             | CAS-No.: 7697-37-2<br>EC-No.: 231-714-2<br>EC Index-No.: 007-004-00-1<br>REACH-no: 01-2119487297-<br>23 | (70 ≤ C < 99) Ox. Liq. 3, H272<br>(99 ≤ C ≤ 100) Ox. Liq. 2, H272 |

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 physician immediately.  |  |
| First-aid measures after inhalation                                    | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.                                |  |
| First-aid measures after skin contact                                  | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.  |  |
| First-aid measures after eye contact                                   | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |  |
| First-aid measures after ingestion                                     | : Rinse mouth. Do not induce vomiting. Call a physician immediately.   |  |
| 4.2. Most important symptoms and effects, both acute and delayed       |  |  |
| Symptoms/effects after skin contact                                    | : Burns.   |  |
| Symptoms/effects after eye contact<br>Symptoms/effects after ingestion | : Serious damage to eyes.<br>: Burns.  |  |

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 subs       | tance 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   | : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe<br>dust/fume/gas/mist/vapours/spray.  |  |
| 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". |  |
| 6.2. Environmental precautions   |   |  |
| Avoid release to the environment.  |   |  |

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| 6.3. Methods and material for containment and cleaning up |   |
|---|---|
| Methods for cleaning up<br>Other information              | <ul><li>Take up liquid spill into absorbent material.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul> |
| 6.4. Reference to other sections                          |   |

For further information refer to section 13.

| SECTION 7: Handling and storage                                   | je   |
|---|--|
| 7.1. Precautions for safe handling                                |  |
| Precautions for safe handling                                     | : Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment. |
| Hygiene measures  | : Wash contaminated clothing before reuse. 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.  |

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

| PHOSPHORIC ACID 81.5% (7664-38-2)                            |  |  |  |
|--|--|--|--|
| EU - Indicative Occupational Exposure Limit (IOEL)           |  |  |  |
| Local name   | Orthophosphoric acid                   |  |  |
| IOEL STEL  | 2 mg/m <sup>3</sup>                    |  |  |
| Regulatory reference   | COMMISSION DIRECTIVE 2000/39/EC        |  |  |
| Ireland - Occupational Exposure Limits                       |  |  |  |
| Local name   | Orthophosphoric acid [Phosphoric acid] |  |  |
| OEL TWA  | 1 mg/m <sup>3</sup>                    |  |  |
| OEL STEL   | 2 mg/m <sup>3</sup>                    |  |  |
| Remark IOELV (Indicative Occupational Exposure Limit Values) |  |  |  |
| Regulatory reference   | Chemical Agents Code of Practice 2021  |  |  |

### 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

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### 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 symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:** Safety glasses

#### 8.2.2.2. Skin protection

**Skin and body protection:** Wear suitable protective clothing

Hand protection: Protective gloves

#### 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.

#### **SECTION 9: Physical and chemical properties** 9.1. Information on basic physical and chemical properties Physical state : Liquid Colour : Colourless. Odour : odourless. Odour threshold : No data available pН : 1 Relative evaporation rate (butylacetate=1) : No data available : Not applicable Melting point : No data available Freezing point : No data available **Boiling point** Flash point : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available Flammability (solid, gas) : Not applicable : No data available Vapour pressure Relative vapour density at 20°C : No data available Relative density : No data available Solubility : No data available 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

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| Oxidising properties | : No data available |
|----------------------|---------------------|
| Explosive limits     | : No data available |

: 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.

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 toxicological effects                 |  |
| Acute toxicity (dermal) :   Acute toxicity (inhalation) : | Harmful if swallowed.<br>Not classified<br>Inhalation:dust,mist: Harmful if inhaled.   |
| BUYRITE DESCALER 52%                                      |  |
| ATE CLP (oral)  | 1536.57 mg/kg bodyweight   |
| ATE CLP (dust,mist)                                       | 4.693 mg/l/4h  |
| PHOSPHORIC ACID 81.5% (7664-38-2)                         |  |
| LD50 oral rat   | 3500 mg/kg Source: ECHA  |
| LD50 dermal rabbit  | 2740 mg/kg Source: ECHA  |
| NITRIC ACID 55-60% (7697-37-2)                            |  |
| LC50 Inhalation - Rat                                     | > 2.65 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |
| LC50 Inhalation - Rat (Vapours)                           | 1.7 mg/l Source: ECHA  |
|   | Causes severe skin burns.<br>pH: 1   |
| PHOSPHORIC ACID 81.5% (7664-38-2)                         |  |
| рН  | 1  |
| NITRIC ACID 55-60% (7697-37-2)                            |  |
| pН  | < 2  |

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| Serious eye damage/irritation         | : Causes serious eye damage.<br>pH: 1  |
|---------------------------------------|--|
| PHOSPHORIC ACID 81.5% (7664-38-2)     |  |
| рН                                    | 1  |
| NITRIC ACID 55-60% (7697-37-2)        |  |
| рН                                    | < 2  |
| Respiratory or skin sensitisation     | : Not classified   |
| Germ cell mutagenicity                | : Not classified   |
| Carcinogenicity                       | : Not classified   |
| Reproductive toxicity                 | : Not classified   |
| STOT-single exposure                  | : Not classified   |
| STOT-repeated exposure                | : Not classified   |
| NITRIC ACID 55-60% (7697-37-2)        |  |
| NOAEL (oral, rat, 90 days)            | 1500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)             |
| NOAEC (inhalation, rat, gas, 90 days) | 2.15 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-<br>Day Study), Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study) |
| Aspiration hazard                     | : Not classified   |

## **SECTION 12: Ecological information**

## 12.1. Toxicity

| Ecology - general<br>Hazardous to the aquatic environment, short-term<br>(acute)                                       | <ul><li>Harmful to aquatic life with long lasting effects.</li><li>Not classified</li></ul> |  |  |
|--|---|--|--|
| Hazardous to the aquatic environment, long–term : Harmful to aquatic life with long lasting effects.<br>chronic)       |   |  |  |
| PHOSPHORIC ACID 81.5% (7664-38-2)  |   |  |  |
| LC50 - Fish [1]  | 75.1 mg/l Source: ECHA  |  |  |
| EC50 - Crustacea [1]   | > 100 mg/l Test organisms (species): Daphnia magna  |  |  |
| C50 72h - Algae [1] > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous na Scenedesmus subspicatus) |   |  |  |
| NITRIC ACID 55-60% (7697-37-2)   |   |  |  |
| LC50 - Fish [1] 1559 mg/l Test organisms (species): other:   |   |  |  |
| LC50 - Fish [2] 1354 mg/l Test organisms (species): other:   |   |  |  |
| LC50 - Other aquatic organisms [1] 39 mg/l Source: ECHA  |   |  |  |
| 12.2. Persistence and degradability  |   |  |  |
| BUYRITE DESCALER 52%   |   |  |  |
| Persistence and degradability  | Not rapidly degradable  |  |  |
| PHOSPHORIC ACID 81.5% (7664-38-2)  |   |  |  |
| Persistence and degradability  | Not rapidly degradable  |  |  |
| NITRIC ACID 55-60% (7697-37-2)   |   |  |  |
| Persistence and degradability  | Not rapidly degradable  |  |  |

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| 12.3. Bioaccumulative potential                 |                    |  |  |
|---|--------------------|--|--|
| NITRIC ACID 55-60% (7697-37-2)                  |                    |  |  |
| Partition coefficient n-octanol/water (Log Pow) | -0.21 Source: ICSC |  |  |
| 12.4. Mobility in soil                          |                    |  |  |
| No additional information available             |                    |  |  |
| 12.5. Results of PBT and vPvB assessment        |                    |  |  |
| No additional information available             |                    |  |  |
| 12.6. 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.

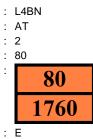
## **SECTION 14: Transport information**

| ADR   | IMDG   | ΙΑΤΑ          | ADN  | RID  |
|---|--|---------------|--|--|
| I4.1. UN number                                 |  |               |  |  |
| UN 1760   | UN 1760  | Not regulated | UN 1760                                    | UN 1760                                    |
| 4.2. UN proper shippin                          | g name   |               |  | -  |
| CORROSIVE LIQUID,<br>N.O.S.                     | CORROSIVE LIQUID,<br>N.O.S.                                  | Not regulated | CORROSIVE LIQUID,<br>N.O.S.                | CORROSIVE LIQUID,<br>N.O.S.                |
| Fransport document descr                        | iption   |               | ·  |  |
| UN 1760 CORROSIVE<br>LIQUID, N.O.S., 8, II, (E) | UN 1760 CORROSIVE<br>LIQUID, N.O.S., 8, II                   | Not regulated | UN 1760 CORROSIVE<br>LIQUID, N.O.S., 8, II | UN 1760 CORROSIVE<br>LIQUID, N.O.S., 8, II |
| 14.3. Transport hazard o                        | lass(es)   |               |  |  |
| 8   | 8  | Not regulated | 8  | 8  |
| B   | B  | Not regulated | B  | B  |
| I4.4. Packing group                             |  |               |  |  |
| II  | II   | Not regulated | II   | II   |
| 14.5. Environmental haz                         | ards   |               |  |  |
| Dangerous for the environment: No               | Dangerous for the<br>environment: No<br>Marine pollutant: No | Not regulated | Dangerous for the environment: No          | Dangerous for the environment: No          |
| No supplementary informatio                     | n available  |               | 1  | 1  |

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| Special provisions (ADR)                            | : | 274         |
|---|---|-------------|
| Limited quantities (ADR)                            | : | 11          |
| Excepted quantities (ADR)                           | : | E2          |
| Packing instructions (ADR)                          | : | P001, IBC02 |
| Mixed packing provisions (ADR)                      | : | MP15        |
| Portable tank and bulk container instructions (ADR) | : | T11         |
| Portable tank and bulk container special provisions | : | TP2, TP27   |
| (ADR)   |   |             |
| Tank code (ADR)                                     | : | L4BN        |
| Vehicle for tank carriage                           | : | AT          |
| Transport category (ADR)                            | : | 2           |
| Hazard identification number (Kemler No.)           | : | 80          |
| Orange plates                                       | : | 00          |
|   |   | 80          |
|   |   |             |



Tunnel restriction code (ADR)

### Transport by sea

| Special provisions (IMDG)          | : 274  |
|------------------------------------|--|
| Limited quantities (IMDG)          | : 1L   |
| Excepted quantities (IMDG)         | : E2   |
| Packing instructions (IMDG)        | : P001   |
| IBC packing instructions (IMDG)    | : IBC02  |
| Tank instructions (IMDG)           | : T11  |
| Tank special provisions (IMDG)     | : TP2, TP27  |
| EmS-No. (Fire)                     | : F-A  |
| EmS-No. (Spillage)                 | : S-B  |
| Stowage category (IMDG)            | : B  |
| Stowage and handling (IMDG)        | : SW2  |
| Properties and observations (IMDG) | : Causes burns to skin, eyes and mucous membranes. |
|                                    |  |

### Air transport

Not regulated

### Inland waterway transport

| Classification code (ADN)         | : | C9     |
|-----------------------------------|---|--------|
| Special provisions (ADN)          | : | 274    |
| Limited quantities (ADN)          | : | 1 L    |
| Excepted quantities (ADN)         | : | E2     |
| Carriage permitted (ADN)          | : | Т      |
| Equipment required (ADN)          | : | PP, EP |
| Number of blue cones/lights (ADN) | : | 0      |
|                                   |   |        |

### **Rail transport**

| Classification code (RID)                           | : | C9          |
|---|---|-------------|
| Special provisions (RID)                            | : | 274         |
| Limited quantities (RID)                            | : | 1L          |
| Excepted quantities (RID)                           | : | E2          |
| Packing instructions (RID)                          | : | P001, IBC02 |
| Mixed packing provisions (RID)                      | : | MP15        |
| Portable tank and bulk container instructions (RID) | : | T11         |
| Portable tank and bulk container special provisions | : | TP2, TP27   |
| (RID)   |   |             |
| Tank codes for RID tanks (RID)                      | : | L4BN        |
| Transport category (RID)                            | : | 2           |
| Colis express (express parcels) (RID)               | : | CE6         |
| Hazard identification number (RID)                  | : | 80          |

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

Not applicable

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### **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)

### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

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

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors) ANNEX I RESTRICTED EXPLOSIVES PRECURSORS

List of substances which are not to be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported within 24 hours.

| Name        | CAS-No.   | Limit value | Article 5(3) | Combined<br>Nomenclature (CN)<br>code for a<br>separate<br>chemically defined<br>compound<br>meeting the<br>requirements of<br>Note 1 to Chapter<br>28 or 29 of the CN,<br>respectively | code for mixture<br>without |
|-------------|-----------|-------------|--------------|---|-----------------------------|
| Nitric acid | 7697-37-2 | 3 % w/w     | 10% w/w      | ex 2808 00 00   | ex 3824 99 96               |

Please see https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives\_en

### **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

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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| 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   |  |  |  |
| EC-No.                        | European Community number   |  |  |  |
| EC50                          | Median effective concentration  |  |  |  |
| EN                            | European Standard   |  |  |  |
| IARC                          | International Agency for Research on Cancer   |  |  |  |
| ΙΑΤΑ                          | 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   |  |  |  |

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830

| Full text of H- and EUH-statements:    |   |  |  |  |
|--|---|--|--|--|
| Acute Tox. 4<br>(Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4                  |  |  |  |
| Acute Tox. 4 (Oral)                    | Acute toxicity (oral), Category 4                                 |  |  |  |
| 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                     |  |  |  |
| H272                                   | May intensify fire; oxidiser.                                     |  |  |  |
| H302                                   | Harmful if swallowed.   |  |  |  |
| H314                                   | Causes severe skin burns and eye damage.                          |  |  |  |
| H315                                   | Causes skin irritation.   |  |  |  |
| H318                                   | Causes serious eye damage.  |  |  |  |
| H319                                   | Causes serious eye irritation.                                    |  |  |  |
| H332                                   | Harmful if inhaled.   |  |  |  |
| H412                                   | Harmful to aquatic life with long lasting effects.                |  |  |  |
| Ox. Liq. 2                             | Oxidising Liquids, Category 2                                     |  |  |  |
| Ox. Liq. 3                             | Oxidising Liquids, Category 3                                     |  |  |  |
| Skin Corr. 1                           | Skin corrosion/irritation, Category 1                             |  |  |  |
| Skin Corr. 1B                          | Skin corrosion/irritation, Category 1, Sub-Category 1B            |  |  |  |
| Skin Irrit. 2                          | Skin corrosion/irritation, Category 2                             |  |  |  |

### The classification complies with

: ATP 12

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.