

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

### 1.1. Product identifier

Product form : Mixture  
Product name : Hydro Grow A  
Product code : 300.553.000

### 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 : Fertilizers

#### 1.2.2. Uses advised against

No additional information available

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

Van Goghs Complete fertilizers  
P.O. Box Postbus 90204  
1006 BE Amsterdam - The Netherlands  
T +31 20 8208177  
[info@tulip-amsterdam.com](mailto:info@tulip-amsterdam.com) - [www.vangoghs.com](http://www.vangoghs.com)

### 1.4. Emergency telephone number

No additional information available

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 1 H318  
Full text of H statements : see section 16

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

Causes serious eye damage.

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

CLP Signal word : Danger  
Contains : calcium nitrate, anhydrous  
Hazard statements (CLP) : H318 - Causes serious eye damage.  
Precautionary statements (CLP) : P280 - Wear protective gloves, protective clothing, eye protection.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER, a doctor.

### 2.3. Other hazards

No additional information available

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### 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]   |
|--|---|-----------|---|
| calcium nitrate, anhydrous   | (CAS-No.) 10124-37-5<br>(EC-No.) 233-332-1<br>(REACH-no) 01-2119495093-35                               | 6.75 – 11 | Ox. Sol. 3, H272<br>Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318   |
| nitric acid<br>substance with a Community workplace exposure limit       | (CAS-No.) 7697-37-2<br>(EC-No.) 231-714-2<br>(EC Index-No.) 007-004-00-1<br>(REACH-no) 01-2119487297-23 | ≤ 0.076   | Ox. Liq. 2, H272<br>Met. Corr. 1, H290<br>Acute Tox. 3 (Inhalation), H331<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318 |
| hydrogen chloride<br>substance with a Community workplace exposure limit | (CAS-No.) 7647-01-0<br>(EC-No.) 231-595-7<br>(EC Index-No.) 017-002-01<br>(REACH-no) 01-2119484862-27   | ≤ 0.03    | Skin Corr. 1B, H314<br>STOT SE 3, H335  |

#### Specific concentration limits:

| Name              | Product identifier  | Specific concentration limits  |
|-------------------|---|--|
| nitric acid       | (CAS-No.) 7697-37-2<br>(EC-No.) 231-714-2<br>(EC Index-No.) 007-004-00-1<br>(REACH-no) 01-2119487297-23 | ( 5 ≤ C < 20) Skin Corr. 1B, H314<br>( 13 ≤ C < 26) Acute Tox. 4 (Inhalation), H332<br>( 20 ≤ C < 100) Skin Corr. 1A, H314<br>( 26 ≤ C < 100) Acute Tox. 3 (Inhalation), H331<br>( 65 ≤ C < 99) Ox. Liq. 3, H272<br>( 99 ≤ C < 100) Ox. Liq. 2, H272 |
| hydrogen chloride | (CAS-No.) 7647-01-0<br>(EC-No.) 231-595-7<br>(EC Index-No.) 017-002-01<br>(REACH-no) 01-2119484862-27   | ( 10 ≤ C < 100) STOT SE 3, H335<br>( 10 ≤ C < 25) Eye Irrit. 2, H319<br>( 10 ≤ C < 25) Skin Irrit. 2, H315<br>( 25 ≤ C < 100) Skin Corr. 1B, H314  |

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| 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  | : 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    | : 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 eye contact | : Serious damage to eyes. |
|------------------------------------|---------------------------|

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

Treat symptomatically.

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### 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

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

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

##### 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.

#### 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. Avoid contact with skin and eyes. 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

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

| <b>hydrogen chloride (7647-01-0)</b>                      |   |
|---|---|
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |   |
| IOEL TWA  | 8 mg/m <sup>3</sup> (Hydrogen chloride; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)                           |
| IOEL TWA [ppm]  | 5 ppm (Hydrogen chloride; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)   |
| IOEL STEL   | 15 mg/m <sup>3</sup> (Hydrogen chloride; EU; Short time value; Indicative occupational exposure limit value)  |
| IOEL STEL [ppm]   | 10 ppm (Hydrogen chloride; EU; Short time value; Indicative occupational exposure limit value)  |
| <b>Belgium - Occupational Exposure Limits</b>             |   |
| OEL TWA   | 8 mg/m <sup>3</sup> (Hydrogène (chlorure d'); Belgium; Time-weighted average exposure limit 8 h)  |
| OEL TWA [ppm]   | 5 ppm (Hydrogène (chlorure d'); Belgium; Time-weighted average exposure limit 8 h)  |
| OEL STEL  | 15 mg/m <sup>3</sup> (Hydrogène (chlorure d'); Belgium; Short time value)   |
| OEL STEL [ppm]  | 10 ppm (Hydrogène (chlorure d'); Belgium; Short time value)   |
| <b>Netherlands - Occupational Exposure Limits</b>         |   |
| MAC-TGG (OEL TWA)   | 8 mg/m <sup>3</sup> (Zoutzuur; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)                               |
| MAC-TGG (OEL TWA) [ppm]                                   | 5.3 ppm (Zoutzuur; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)   |
| MAC-15 (OEL STEL)   | 15 mg/m <sup>3</sup> (Zoutzuur; Netherlands; Short time value; Public occupational exposure limit value)  |
| MAC-15 (OEL STEL) [ppm]                                   | 9.9 ppm (Zoutzuur; Netherlands; Short time value; Public occupational exposure limit value)   |
| <b>United Kingdom - Occupational Exposure Limits</b>      |   |
| WEL TWA (OEL TWA) [1]                                     | 2 mg/m <sup>3</sup> Hydrogen chloride (gas and aerosol mists); United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005) |
| WEL TWA (OEL TWA) [2]                                     | 1 ppm Hydrogen chloride (gas and aerosol mists); United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)               |
| WEL STEL (OEL STEL)                                       | 8 mg/m <sup>3</sup> Hydrogen chloride (gas and aerosol mists); United Kingdom; Short time value; Workplace exposure limit (EH40/2005)                         |
| WEL STEL (OEL STEL) [ppm]                                 | 5 ppm Hydrogen chloride (gas and aerosol mists); United Kingdom; Short time value; Workplace exposure limit (EH40/2005)                                       |

#### **nitric acid (7697-37-2)**

##### **EU - Indicative Occupational Exposure Limit (IOEL)**

|   |                       |
|---|-----------------------|
| IOEL STEL                                     | 2.6 mg/m <sup>3</sup> |
| IOEL STEL [ppm]                               | 1 ppm                 |
| <b>Belgium - Occupational Exposure Limits</b> |                       |
| OEL STEL                                      | 2.6 mg/m <sup>3</sup> |
| OEL STEL [ppm]                                | 1 ppm                 |

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### nitric acid (7697-37-2)

#### Netherlands - Occupational Exposure Limits

|                   |                       |
|-------------------|-----------------------|
| Local name        | Salpeterzuur          |
| MAC-15 (OEL STEL) | 1.3 mg/m <sup>3</sup> |

#### United Kingdom - Occupational Exposure Limits

|                           |                       |
|---------------------------|-----------------------|
| WEL STEL (OEL STEL)       | 2.6 mg/m <sup>3</sup> |
| WEL STEL (OEL STEL) [ppm] | 1 ppm                 |

#### 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 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 insufficient ventilation, wear suitable respiratory equipment

##### 8.2.2.4. Thermal hazards

No additional information available

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### 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            |
| Appearance                                      | : Clear liquid.     |
| Colour  | : light yellow.     |
| Odour   | : odourless.        |
| Odour threshold                                 | : No data available |
| pH  | : 2.5               |
| Relative evaporation rate (butylacetate=1)      | : No data available |
| Melting point                                   | : Not applicable    |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Flammability (solid, gas)                       | : Not applicable    |
| Vapour pressure                                 | : No data available |
| Relative vapour density at 20 °C                | : No data available |
| Relative density                                | : No data available |
| Density   | : 1.1 kg/l          |
| Solubility                                      | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosive properties                            | : No data available |
| Oxidising properties                            | : No data available |
| Explosive limits                                | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal conditions.

### 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.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

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

#### calcium nitrate, anhydrous (10124-37-5)

|                 |                             |
|-----------------|-----------------------------|
| LD50 oral rat   | 300 – 2000 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight     |

#### hydrogen chloride (7647-01-0)

|                       |              |
|-----------------------|--------------|
| LD50 dermal rabbit    | > 5010 mg/kg |
| LC50 Inhalation - Rat | 8.3 mg/l     |

#### nitric acid (7697-37-2)

|                       |  |
|-----------------------|--|
| LC50 Inhalation - Rat | > 2.65 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value) |
|-----------------------|--|

Skin corrosion/irritation : Not classified  
pH: 2.5  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 2.5  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

#### hydrogen chloride (7647-01-0)

|            |                      |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

#### hydrogen chloride (7647-01-0)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

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### calcium nitrate, anhydrous (10124-37-5)

|                      |             |
|----------------------|-------------|
| LC50 - Fish [1]      | 1378        |
| EC50 - Crustacea [1] | 490 mg/l    |
| ErC50 algae          | > 1700 mg/l |
| NOEC (acute)         | 180 mg/l    |

### hydrogen chloride (7647-01-0)

|                      |           |
|----------------------|-----------|
| EC50 72h - Algae [1] | 0.73 mg/l |
|----------------------|-----------|

### nitric acid (7697-37-2)

|                      |                                       |
|----------------------|---------------------------------------|
| LC50 - Fish [2]      | 72 ppm (LC50; 96 h; Gambusia affinis) |
| EC50 - Crustacea [1] | 180 mg/l (EC50; 48 h; Daphnia magna)  |

## 12.2. Persistence and degradability

### calcium nitrate, anhydrous (10124-37-5)

|                               |  |
|-------------------------------|--|
| Persistence and degradability | Biodegradable in the soil. Biodegradability: not applicable. |
| Chemical oxygen demand (COD)  | Not applicable   |
| ThOD                          | Not applicable   |
| BOD (% of ThOD)               | Not applicable   |

### hydrogen chloride (7647-01-0)

|                               |   |
|-------------------------------|---|
| Persistence and degradability | No (test) data on mobility of the components available. |
|-------------------------------|---|

### nitric acid (7697-37-2)

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Persistence and degradability   | Biodegradability: not applicable. |
| Biochemical oxygen demand (BOD) | Not applicable                    |
| Chemical oxygen demand (COD)    | Not applicable                    |
| ThOD                            | Not applicable                    |
| BOD (% of ThOD)                 | Not applicable                    |

## 12.3. Bioaccumulative potential

### calcium nitrate, anhydrous (10124-37-5)

|                           |                      |
|---------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |
|---------------------------|----------------------|

### hydrogen chloride (7647-01-0)

|                           |   |
|---------------------------|---|
| Bioaccumulative potential | No test data of component(s) available. |
|---------------------------|---|

### nitric acid (7697-37-2)

|                           |                                    |
|---------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |
|---------------------------|------------------------------------|

## 12.4. Mobility in soil

### calcium nitrate, anhydrous (10124-37-5)

|                |  |
|----------------|--|
| Ecology - soil | No (test) data on mobility of the substance available. |
|----------------|--|



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### nitric acid (7697-37-2)

Ecology - soil

No (test)data on mobility of the substance available.

### 12.5. Results of PBT and vPvB assessment

#### Component

calcium nitrate, anhydrous (10124-37-5)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

nitric acid (7697-37-2)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

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

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

### 14.1 UN number

UN-No. (ADR) : Not applicable  
UN-No. (IMDG) : Not applicable  
UN-No. (IATA) : Not applicable  
UN-No. (ADN) : Not applicable  
UN-No. (RID) : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

**ADR**  
Transport hazard class(es) (ADR) : Not applicable  
**IMDG**  
Transport hazard class(es) (IMDG) : Not applicable  
**IATA**  
Transport hazard class(es) (IATA) : Not applicable  
**ADN**  
Transport hazard class(es) (ADN) : Not applicable  
**RID**  
Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable

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Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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

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

#### 15.1.2. National regulations

##### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Borstvoeding

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Vruchtbaarheid

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Ontwikkeling

: None of the components are listed

##### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

##### Switzerland

Storage class (LK) : LK 8 - Corrosive materials

### 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                        | DMEL = Derived Minimal Effect level   |
| DNEL                        | 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                        | PNEC = Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| SDS                         | 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                        | zPzB = Very Persistent and Very Bioaccumulative   |
| ED                          | Endocrine disrupting properties   |

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|                   |   |
|-------------------|---|
| Data sources      | : ECHA Website: Information on Registered Substances<br>Handbook of Chemistry and Physics CRC Press Inc<br>Information suppliers<br>BIG-database.   |
| Other information | : <b>DISCLAIMER OF LIABILITY</b> The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. |

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3  |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4  |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4  |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2  |
| Met. Corr. 1                        | Corrosive to metals, Category 1  |
| Ox. Liq. 2                          | Oxidising Liquids, Category 2  |
| Ox. Liq. 3                          | Oxidising Liquids, Category 3  |
| Ox. Sol. 3                          | Oxidising Solids, Category 3   |
| Skin Corr. 1                        | Skin corrosion/irritation, Category 1  |
| Skin Corr. 1A                       | Skin corrosion/irritation, Category 1, Sub-Category 1A                                     |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2  |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H272                                | May intensify fire; oxidiser.  |
| H290                                | May be corrosive to metals.  |
| 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.   |
| H331                                | Toxic if inhaled.  |
| H332                                | Harmful if inhaled.  |
| H335                                | May cause respiratory irritation.  |

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.