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

### 1.1 Product identifier

Trade name

## MAXISTAB<sup>™</sup> Pure Power Stabilizer

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

Relevant identified uses of the substance or mixture Stabiliser concentrate

Uses advised against Uses which are not mentioned in the relevant identified uses.

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

#### Address

SAFECHEM Europe GmbH Tersteegenstr. 25 40474 Düsseldorf Germany Telephone no. +49 211 4389300 Fax no. +49 211 4389389 e-mail service@safechem.com

# Advice on Safety Data Sheet sds@safechem.com

### 1.4 Emergency telephone number

For medical advice (in German and English): +49 (0)551 192 40 (Giftinformationszentrum Nord) In case of transport incidents and other emergencies: +44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

### Classification in accordance with Regulation (EC) No 1272/2008 (CLP) Aquatic Chronic 3; H412

### **Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

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

### Hazard pictograms

| -<br>Signal word<br>-                    |  |
|--|--|
| Hazard statement(s)<br>H412              | Harmful to aquatic life with long lasting effects.   |
| Precautionary statement(<br>P273<br>P501 | <b>s)</b><br>Avoid release to the environment.<br>Dispose of contents/container to an approved waste facility. |

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#### 2.3 Other hazards

PBT assessment No data available. vPvB assessment No data available.

### **SECTION 3: Composition/information on ingredients**

#### 3.1 **Substances**

Not applicable. The product is not a substance.

#### 3.2 **Mixtures**

### **Hazardous ingredients**

| No   | Substance name         |  | Additi | onal information |        |
|------|------------------------|--|--------|------------------|--------|
|      | CAS / EC / Index /     | Classification (EC) 1272/2008 (CLP)        | Conce  | entration        | %      |
|      | REACH no               |  |        |                  |        |
| 1    | Hydrocarbons, C16      | 5-C20, n-alkanes, iso-alkanes, cyclic, <2% |        |                  |        |
|      | aromatics              |  |        |                  |        |
|      | 1174522-19-0           | Asp. Tox. 1; H304                          | <      | 5.00             | %-b.w. |
|      | 919-029-3              | EUH066                                     |        |                  |        |
|      | -                      |  |        |                  |        |
|      | 01-2119457735-29       |  |        |                  |        |
| 2    | 2,4-di-tert-butylphe   |  |        |                  |        |
|      | 96-76-4                | Aquatic Acute 1; H400                      | <      | 2.50             | %-b.w. |
|      | 202-532-0              | Aquatic Chronic 1; H410                    |        |                  |        |
|      | -                      | Eye Dam. 1; H318                           |        |                  |        |
|      | -                      | Skin Irrit. 2; H315                        |        |                  |        |
| 3    | BIS(2-DIMETHYLAI       | MINOETHYL)(METHYL)AMINE                    |        |                  |        |
|      | 3030-47-5              | Acute Tox. 3; H311                         | <      | 0.50             | %-b.w. |
|      | 221-201-1              | Acute Tox. 4; H302                         |        |                  |        |
|      | 612-109-00-6           | Skin Corr. 1B; H314                        |        |                  |        |
|      | 01-2119979537-18       | Eye Dam. 1; H318                           |        |                  |        |
|      |                        | Acute Tox. 3; H331                         |        |                  |        |
|      |                        | Aquatic Chronic 3; H412                    |        |                  |        |
| 4    | triethylamine          |  |        |                  |        |
|      | 121-44-8               | Flam. Liq. 2; H225                         | <      | 0.50             | %-b.w. |
|      | 204-469-4              | Acute Tox. 4; H302                         |        |                  |        |
|      | 612-004-00-5           | Acute Tox. 3; H311                         |        |                  |        |
|      | 01-2119475467-26       | Skin Corr. 1A; H314                        |        |                  |        |
|      |                        | Acute Tox. 3; H331                         |        |                  |        |
|      |                        | STOT SE 3; H335                            |        |                  |        |
| Full | Text for all H-phrases | and EUH-phrases: pls. see section 16       |        |                  |        |

| No | Note | Specific concentration limits | M-factor<br>(acute) | M-factor<br>(chronic) |
|----|------|-------------------------------|---------------------|-----------------------|
| 4  | -    | STOT SE 3; H335: C >= 1%      | -                   | -                     |

## **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

### **General information**

Remove contaminated clothing and shoes and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

### After skin contact

When in contact with the skin, clean with soap and water.

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### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get medical attention if pain still persists.

### After indestion

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

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- Most important symptoms and effects, both acute and delayed 4.2 No data available.
- 4.3 Indication of any immediate medical attention and special treatment needed No data available.

**SECTION 5: Firefighting measures** 

#### 5.1 **Extinguishing media**

Suitable extinguishing media Water spray jet; Extinguishing powder; Carbon dioxide; Foam Unsuitable extinguishing media High power water jet

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

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide; Nitrogen oxides (NOx)

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit. Heat causes increase in pressure and risk of bursting. Cool closed containers exposed to fire with water. Containers close to fire should be transferred to a safe place. Do not allow run-off from fire fighting to enter drains or water courses.

### **SECTION 6: Accidental release measures**

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

#### For non-emergency personnel

Only engage trained and adequately protected personnel. Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

### For emergency responders

Personal protective equipment (PPE) - see Section 8.

#### **Environmental precautions** 6.2

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

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

Prevent spread over a wide area (by containment with sand or earth). Contain and collect spillage with noncombustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

#### Reference to other sections 6.4

Information regarding safe handling, see chapter 7. Information regarding personal protective measures, see chapter 8. Information regarding waste disposal, see chapter 13.

### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

### Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary).

### General protective and hygiene measures

Keep away from foodstuffs and beverages. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Avoid contact with eyes and skin.

### Advice on protection against fire and explosion

Keep away from sources of heat and ignition.



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

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one. Inappropriate material aluminium; Copper, copper alloys; galvanised iron; galvanised steel

Advice on storage assembly

Substances to be avoided, pls. See chapter 10.

### 7.3 Specific end use(s)

### Industry solution

For further information contact supplier.

### **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

### Occupational exposure limit values

| No | Substance name                                   | CAS no.  |       | EC no.  |       |
|----|--|----------|-------|---------|-------|
| 1  | triethylamine                                    | 121-44-8 |       | 204-469 | -4    |
|    | List of approved workplace exposure limits (WELs | ) / EH40 |       |         |       |
|    | Triethylamine                                    |          |       |         |       |
|    | STEL   | 17       | mg/m³ | 4       | ml/m³ |
|    | TWA  | 8        | mg/m³ | 2       | ml/m³ |
|    | Skin resorption / sensibilisation                | Sk       |       |         |       |
|    | 2000/39/EC                                       |          |       |         |       |
|    | Triethylamine                                    |          |       |         |       |
|    | STEL   | 12.6     | mg/m³ | 3       | ppm   |
|    | TWA  | 8.4      | mg/m³ | 2       | ppm   |
|    | Skin resorption / sensibilisation                | Skin     |       |         |       |

### **DNEL, DMEL and PNEC values**

DNEL values (worker)

| No | Substance name                         | Substance name      |                      |                       |                   |
|----|--|---------------------|----------------------|-----------------------|-------------------|
|    | Route of exposure                      | Exposure time       | Effect               | Value                 |                   |
| 1  | BIS(2-DIMETHYLAMINOETHYL)(METHYL)AMINE |                     | 3030-47-<br>221-201- | -                     |                   |
|    | dermal                                 | Long term (chronic) | systemic             | 0.3                   | mg/kg/day         |
|    | inhalative                             | Long term (chronic) | systemic             | 1058                  | mg/m³             |
| 2  | triethylamine                          |                     |                      | 121-44-8<br>204-469-/ |                   |
|    | dermal                                 | Long term (chronic) | systemic             | 12.1                  | mg/kg/day         |
|    | inhalative                             | Long term (chronic) | systemic             | 8.4                   | mg/m³             |
|    | inhalative                             | Short term (acut)   | systemic             | 12.6                  | mg/m³             |
|    | inhalative                             | Long term (chronic) | local                | 8.4                   | mg/m <sup>3</sup> |
|    | inhalative                             | Short term (acut)   | local                | 12.6                  | mg/m <sup>3</sup> |

DNEL value (consumer)

| No | Substance name                         |                     |          | CAS / EC no |           |
|----|--|---------------------|----------|-------------|-----------|
|    | Route of exposure Exposure time Effect |                     |          | Value       |           |
| 1  | BIS(2-DIMETHYLAMINOETHYL)(METHYL)AMINE |                     |          | 3030-47-5   |           |
|    |  |                     |          | 221-201-1   |           |
|    | oral                                   | Long term (chronic) | systemic | 0.15        | mg/kg/day |
|    | dermal                                 | Long term (chronic) | systemic | 0.15        | mg/kg/day |
|    | inhalative                             | Long term (chronic) | systemic | 0.261       | mg/m³     |

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|    | PNEC values                |                       |                        |                     |
|----|----------------------------|-----------------------|------------------------|---------------------|
| No | Substance name             |                       | CAS / EC               | no                  |
|    | ecological compartment     | Туре                  | Value                  |                     |
| 1  | BIS(2-DIMETHYLAMINOETHYL)( | METHYL)AMINE          | 3030-47-5<br>221-201-1 |                     |
|    | water                      | fresh water           | 0.055                  | mg/l                |
|    | water                      | marine water          | 0.005                  | mg/l                |
|    | water                      | fresh water sediment  | 0.398                  | mg/kg dry<br>weight |
|    | water                      | marine water sediment | 0.04                   | mg/kg dry<br>weight |
|    | soil                       | -                     | 0.047                  | mg/kg dry<br>weight |
|    | sewage treatment plant     | -                     | 0.005                  | mg/l                |
|    | secondary poisoning        | -                     | 6.67                   | mg/kg food          |
| 2  | triethylamine              |                       | 121-44-8<br>204-469-4  |                     |
|    | water                      | fresh water           | 0.11                   | mg/l                |
|    | water                      | marine water          | 0.011                  | mg/l                |
|    | water                      | Aqua intermittent     | 0.08                   | mg/l                |
|    | water                      | fresh water sediment  | 1.575                  | mg/kg dry<br>weight |
|    | water                      | marine water sediment | 0.158                  | mg/kg dry<br>weight |
|    | soil                       | -                     | 0.25                   | mg/kg dry<br>weight |
|    | sewage treatment plant     | -                     | 100                    | mg/l                |

#### 8.2 **Exposure controls**

### Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

### Personal protective equipment

### **Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust, aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Respirator

AP2

### Eye / face protection

Tightly fitting safety glasses (EN 166).

### Hand protection

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

| Appropriate Material | chlorinated polyethylene (CPE)                     |             |     |  |
|----------------------|--|-------------|-----|--|
| Appropriate Material | Polyethylene                                       |             |     |  |
| Appropriate Material | ethyl vinyl alcohol lam                            | inate (EVAL | )   |  |
| Appropriate Material | In case of short-term contact / splash protection: |             |     |  |
| Material thickness   | >  | 0.35        | mm  |  |
| Breakthrough time    | >  | 60          | min |  |
| Appropriate Material | In case of longer-term                             | contact:    |     |  |
| Material thickness   | >  | 0.35        | mm  |  |
| Breakthrough time    | >  | 240         | min |  |
| -                    |  |             |     |  |

### Other

Chemical-resistant work clothes.

**Environmental exposure controls** No data available.

**SAFECHEM** be responsible

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## **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

| Form/Colour                               |           |      |             |  |  |  |
|---|-----------|------|-------------|--|--|--|
| liquid                                    |           |      |             |  |  |  |
| yellow; amber                             |           |      |             |  |  |  |
|   |           |      |             |  |  |  |
| Odour                                     |           |      |             |  |  |  |
| ammonia-like                              |           |      |             |  |  |  |
| Odour threshold                           |           |      |             |  |  |  |
| No data available                         |           |      |             |  |  |  |
|   |           |      |             |  |  |  |
| pH value                                  |           | 0.5  |             |  |  |  |
| Value                                     |           | 9.5  | <b>~</b> // |  |  |  |
| Concentration                             | Cupplier  | 255  | g/l         |  |  |  |
| Source                                    | Supplier  |      |             |  |  |  |
| Boiling point / boiling range             |           |      |             |  |  |  |
| Value                                     | 90 -      | 340  | ٥°C         |  |  |  |
| Reference pressure                        |           | 760  | mm Hg       |  |  |  |
| Source                                    | Supplier  |      | 0           |  |  |  |
|   |           |      |             |  |  |  |
| Melting point / melting range             |           |      |             |  |  |  |
| No data available                         |           |      |             |  |  |  |
| Setting point / solidification range      |           |      |             |  |  |  |
| Value                                     |           | 0    | °C          |  |  |  |
| Source                                    | Supplier  |      | -           |  |  |  |
|   |           |      |             |  |  |  |
| Decomposition point / decomposition range |           |      |             |  |  |  |
| No data available                         |           |      |             |  |  |  |
| Flash point                               |           |      |             |  |  |  |
| Value                                     | >         | 180  | °C          |  |  |  |
| Method                                    | ASTM D 93 |      | -           |  |  |  |
| Source                                    | Supplier  |      |             |  |  |  |
|   |           |      |             |  |  |  |
| Auto-ignition temperature                 | 1         | 100  |             |  |  |  |
| Value                                     | Cumplian  | 190  | <b>°</b> C  |  |  |  |
| Source                                    | Supplier  |      |             |  |  |  |
| Oxidising properties                      |           |      |             |  |  |  |
| No data available                         |           |      |             |  |  |  |
|   |           |      |             |  |  |  |
| Explosive properties                      |           |      |             |  |  |  |
| No data available                         |           |      |             |  |  |  |
| Flammability (solid, gas)                 |           |      |             |  |  |  |
| No data available                         |           |      |             |  |  |  |
|   |           |      |             |  |  |  |
| Lower flammability or explosive limits    |           |      |             |  |  |  |
| No data available                         |           |      |             |  |  |  |
| Upper flammability or explosive limits    |           |      |             |  |  |  |
| No data available                         |           |      |             |  |  |  |
|   |           |      |             |  |  |  |
| Vapour pressure                           |           | 0.05 | anh a r     |  |  |  |
| Value                                     |           | 0.85 | mbar<br>°C  |  |  |  |
| Reference temperature<br>Source           | Supplier  | 20   | 0           |  |  |  |
|   |           |      |             |  |  |  |



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| N                                      |          |           |       |           |  |
|--|----------|-----------|-------|-----------|--|
| Vapour density                         |          |           |       |           |  |
| No data available                      |          |           |       |           |  |
| Evaporation rate                       |          |           |       |           |  |
| No data available                      |          |           |       |           |  |
| Relative density                       |          |           |       |           |  |
| Value                                  |          | 0.9526    |       |           |  |
| Reference temperature                  |          | 20        | °C    |           |  |
| Source                                 | Supplier |           |       |           |  |
| Density                                |          |           |       |           |  |
| No data available                      |          |           |       |           |  |
|  |          |           |       |           |  |
| Solubility in water                    | 1        |           |       |           |  |
| Value                                  |          | 255       | g/l   |           |  |
| Reference temperature                  |          | 20        | °C    |           |  |
| Source                                 | Supplier |           |       |           |  |
| Solubility(ies)                        |          |           |       |           |  |
| No data available                      |          |           |       |           |  |
| Partition coefficient: n-octanol/water |          |           |       |           |  |
| No Substance name                      |          | CAS no.   |       | EC no.    |  |
| 1 BIS(2-DIMETHYLAMINOETHYL)(METHYL     | .)AMINE  | 3030-47-5 |       | 221-201-1 |  |
| log Pow                                | Í        |           | -2.1  |           |  |
| Reference temperature                  |          |           | 25    | °C        |  |
| Method                                 | OECD 107 |           |       |           |  |
| Source                                 | ECHA     |           |       |           |  |
| 2 triethylamine                        |          | 121-44-8  |       | 204-469-4 |  |
| log Pow                                |          |           | 1.45  |           |  |
| Source                                 | ECHA     |           |       |           |  |
| Viscosity                              |          |           |       |           |  |
| Value                                  |          | 15.71     | mm²/s |           |  |
| Reference temperature                  |          | 20        | °C    |           |  |
| Source                                 | Supplier |           | -     |           |  |
|  | 1        |           |       |           |  |

### 9.2 Other information

Other information

No data available.

### **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

### 10.4 Conditions to avoid

Do not distill to dryness. Hazard of decomposition at higher temperatures.

### 10.5 Incompatible materials

strong acids; strong bases; strong oxidizing agents

**10.6 Hazardous decomposition products** Nitrous oxides (NOx)



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## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

| Acu  | Acute oral toxicity                            |   |                  |                   |  |  |
|------|--|---|------------------|-------------------|--|--|
| No   | Substance name                                 |   | CAS no.          |                   | EC no.   |  |
| 1    | BIS(2-DIMETHYLAMINOETHYL)(METHYL               | .)AMINE   | 3030-47-5        |                   | 221-201-1                                      |  |
| LD5  | -  |   |                  | 1330              | mg/kg bodyweight                               |  |
| Spe  |  | rat   |                  |                   |  |  |
| Met  |  | OECD 401  |                  |                   |  |  |
| Sou  |  | ECHA  |                  |                   |  |  |
| 2    | triethylamine                                  |   | 121-44-8         |                   | 204-469-4                                      |  |
| LD5  |  |   |                  | 730               | mg/kg bodyweight                               |  |
| Spe  |  | rat   |                  |                   |  |  |
| Met  |  | OECD 401  |                  |                   |  |  |
| Sou  | rce  | ECHA  |                  |                   |  |  |
| Acu  | te dermal toxicity (result of the ATE calcu    | lation for the  | e mixture)       |                   |  |  |
|      | Product Name                                   |   |                  |                   |  |  |
| 1    | MAXISTAB <sup>™</sup> Pure Power Stabilizer    |   |                  |                   |  |  |
| Rem  | narks  | The result of   | the applied cal  | culation meth     | od according to the                            |  |
|      |  | European Re   | egulation (EC)   | 1272/2008 (C      | LP), Paragraph 3.1.3.6,                        |  |
|      |  | Part 3 of Anr   | nex I is outside | the values th     | at imply a classification /                    |  |
|      |  |   |                  |                   | 3.1.1 defining the                             |  |
|      |  | respective ca   | ategories (ATE   | dermal > 200      | 0 mg/kg).                                      |  |
| Δου  | te dermal toxicity                             |   |                  |                   |  |  |
| No   | Substance name                                 |   | CAS no.          |                   | EC no.   |  |
| 1    | triethylamine                                  |   | 121-44-8         |                   | 204-469-4                                      |  |
| LD5  |  |   |                  | 580               | mg/kg bodyweight                               |  |
| Spe  |  | rabbit  |                  | 000               |  |  |
| Met  |  | OECD 402  |                  |                   |  |  |
| Sou  | rce  | ECHA  |                  |                   |  |  |
|      |  |   |                  |                   |  |  |
|      | te inhalational toxicity (result of the ATE of | calculation for   | or the mixture   |                   |  |  |
| -    | Product Name                                   |   |                  |                   |  |  |
| 1    | MAXISTAB <sup>™</sup> Pure Power Stabilizer    |   | the eventied eat | laulatiana maatka |  |  |
| Ren  | harks  |   |                  |                   | od according to the<br>LP), Paragraph 3.1.3.6, |  |
|      |  |   |                  |                   |  |  |
|      |  | Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the |                  |                   |  |  |
|      |  | respective categories (ATE for inhalation: > 20.000 ppmV (gases), >   |                  |                   |  |  |
|      |  | 20  mg/l (vapours), > 5  mg/l (dusts/mists).  |                  |                   |  |  |
|      |  | _0g;: (≀∝p  | eu.e), = eg,:    | (44010, 111010)   |  |  |
|      | te inhalational toxicity                       |   |                  |                   |  |  |
| No o | data available                                 |   |                  |                   |  |  |
| Skir | n corrosion/irritation                         |   |                  |                   |  |  |
| No   | Substance name                                 |   | CAS no.          |                   | EC no.   |  |
| 1    | <b>BIS(2-DIMETHYLAMINOETHYL)(METHYL</b>        | .)AMINE   | 3030-47-5        |                   | 221-201-1                                      |  |
| Spe  |  | rabbit  |                  |                   |  |  |
| Met  |  | OECD 404  |                  |                   |  |  |
| Sou  |  | ECHA  |                  |                   |  |  |
| Eva  | luation  | corrosive   |                  |                   |  |  |
| Sori | ous eye damage/irritation                      |   |                  |                   |  |  |
|      | Substance name                                 |   | CAS no.          |                   | EC no.   |  |
| 1    | BIS(2-DIMETHYLAMINOETHYL)(METHYL               | )AMINE  | 3030-47-5        |                   | 221-201-1                                      |  |
| Spe  |  | rabbit  | 0000 11 0        |                   |  |  |
| Met  |  | OECD 405  |                  |                   |  |  |
| Sou  |  | ECHA  |                  |                   |  |  |
|      | luation  |   | effects on the e | Ve                |  |  |



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| Respiratory or skin sensitisation   |                                  |          |           |           |  |  |
|---|----------------------------------|----------|-----------|-----------|--|--|
| No  | Substance name                   |          | CAS no.   | EC no.    |  |  |
| 1   | BIS(2-DIMETHYLAMINOETHYL)(METHYL | .)AMINE  | 3030-47-5 | 221-201-1 |  |  |
| Rout  | te of exposure                   | Skin     |           |           |  |  |
| Spec  |                                  | mouse    |           |           |  |  |
| Meth  |                                  | OECD 429 |           |           |  |  |
| Sour  |                                  | ECHA     |           |           |  |  |
| Evaluation/classification Based on available data, the classification criteria are not met. |                                  |          |           |           |  |  |
| Germ cell mutagenicity  |                                  |          |           |           |  |  |
|   | lata available                   |          |           |           |  |  |
| Rep   | roduction toxicity               |          |           |           |  |  |
| No d  | lata available                   |          |           |           |  |  |
| Carc  | cinogenicity                     |          |           |           |  |  |
| No d  | lata available                   |          |           |           |  |  |
| STO   | T - single exposure              |          |           |           |  |  |
| No d  | lata available                   |          |           |           |  |  |
| STO   | T - repeated exposure            |          |           |           |  |  |
| No d  | lata available                   |          |           |           |  |  |
| Aspi  | iration hazard                   |          |           |           |  |  |
| No d  | lata available                   |          |           |           |  |  |

## **SECTION 12: Ecological information**

### 12.1 Toxicity

|      | icity to fish (acute)           |              |           |      |           |  |
|------|---------------------------------|--------------|-----------|------|-----------|--|
| No   | Substance name                  |              | CAS no.   |      | EC no.    |  |
| 1    | BIS(2-DIMETHYLAMINOETHYL)(METHY | L)AMINE      | 3030-47-5 |      | 221-201-1 |  |
| LC5  |                                 |              |           | 157  | mg/l      |  |
|      | ation of exposure               |              |           | 96   | h         |  |
| Spe  |                                 | Oncorhync    |           |      |           |  |
| Meth |                                 | OECD 203     |           |      |           |  |
| Sou  |                                 | ECHA         |           |      |           |  |
| 2    | triethylamine                   | -            | 121-44-8  |      | 204-469-4 |  |
| LC5  |                                 |              |           | 24   | mg/l      |  |
|      | ation of exposure               |              |           | 96   | h         |  |
| Spe  |                                 | Oryzias lati |           |      |           |  |
| Meth |                                 | OECD 203     |           |      |           |  |
| Sou  | rce                             | ECHA         |           |      |           |  |
| Τοχ  | icity to fish (chronic)         |              |           |      |           |  |
| -    | data available                  |              |           |      |           |  |
|      |                                 |              |           |      |           |  |
|      | icity to Daphnia (acute)        |              |           |      |           |  |
|      | Substance name                  |              | CAS no.   |      | EC no.    |  |
| 1    | BIS(2-DIMETHYLAMINOETHYL)(METHY | L)AMINE      | 3030-47-5 |      | 221-201-1 |  |
| EC5  | -                               |              |           | 54.9 | mg/l      |  |
|      | ation of exposure               |              |           | 48   | h         |  |
| Spe  |                                 | Daphnia ma   | agna      |      |           |  |
| Meth |                                 | EU C.2       |           |      |           |  |
| 2    | triethylamine                   | -            | 121-44-8  |      | 204-469-4 |  |
| EC5  | -                               |              |           | 200  | mg/l      |  |
|      | ation of exposure               |              |           | 48   | h         |  |
| Spe  |                                 | Daphnia ma   | agna      |      |           |  |
| Meth |                                 | OECD 202     |           |      |           |  |
| 1 C  | rce                             | ECHA         |           |      |           |  |

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| Tar              | icity to Donknin (okronic)                   |                |                      |      |                     |  |
|------------------|--|----------------|----------------------|------|---------------------|--|
|                  | icity to Daphnia (chronic)<br>data available |                |                      |      |                     |  |
| INO C            |  |                |                      |      |                     |  |
| Tox              | icity to algae (acute)                       |                |                      |      |                     |  |
| No               | Substance name                               |                | CAS no.              |      | EC no.              |  |
| 1                | BIS(2-DIMETHYLAMINOETHYL)(METHYL             | )AMINE         | 3030-47-5            |      | 221-201-1           |  |
| ErC              |  |                |                      | 78.3 | mg/l                |  |
|                  | ation of exposure                            |                |                      | 72   | h                   |  |
| Spe              |  |                | us subspicatus       |      |                     |  |
| Meth             |  | EU C.3         |                      |      |                     |  |
| Sou              |  | ECHA           |                      |      |                     |  |
| 2                | triethylamine                                | 1              | 121-44-8             |      | 204-469-4           |  |
| EC5              | -  |                |                      | 8    | mg/l                |  |
|                  | ation of exposure                            | B 1111         |                      | 72   | h                   |  |
| Spe              |  |                | neriella subcapit    | ata  |                     |  |
| Meth             |  | OECD 201       |                      |      |                     |  |
| Sou              | rce  | ECHA           |                      |      |                     |  |
| Tox              | icity to algae (chronic)                     |                |                      |      |                     |  |
|                  | data available                               |                |                      |      |                     |  |
|                  | 4 • • . • . •                                |                |                      |      |                     |  |
|                  | teria toxicity                               |                | 040                  |      | <b>FO</b>           |  |
| <u>1</u>         |  |                | CAS no.<br>3030-47-5 |      | EC no.<br>221-201-1 |  |
| NOE              |  | 1              | 3030-47-5            | 1000 |                     |  |
|                  |  | >              |                      | 30   | mg/l                |  |
|                  | ation of exposure                            | activated slue | daa                  | 30   | min                 |  |
| Spe              |  | OECD 209       | lge                  |      |                     |  |
| Method<br>Source |  | ECHA           |                      |      |                     |  |
| 30u              | ice  | ECHA           |                      |      |                     |  |
| .2 F             | Persistence and degradability                |                |                      |      |                     |  |
|                  | degradability                                |                |                      |      |                     |  |
| No               | Substance name                               |                | CAS no.              |      | EC no.              |  |
| 1                | triethylamine                                |                | 121-44-8             |      | 204-469-4           |  |
| Туре             |  | aerobic biode  | gradation            |      |                     |  |
| Valu             |  |                | <u> </u>             | 80.3 | %                   |  |
| Dura             | ation  |                |                      | 29   | dav(s)              |  |

### 12.3 Bioaccumulative potential

| Partition coefficient: n-octanol/water |                                  |          |           |      |           |  |
|--|----------------------------------|----------|-----------|------|-----------|--|
| No                                     | Substance name                   |          | CAS no.   |      | EC no.    |  |
| 1                                      | BIS(2-DIMETHYLAMINOETHYL)(METHYL | .)AMINE  | 3030-47-5 |      | 221-201-1 |  |
| log F                                  | Pow                              |          |           | -2.1 |           |  |
| Refe                                   | erence temperature               |          |           | 25   | °C        |  |
| Meth                                   | nod                              | OECD 107 |           |      |           |  |
| Sour                                   | rce                              | ECHA     |           |      |           |  |
| 2                                      | triethylamine                    |          | 121-44-8  |      | 204-469-4 |  |
| log F                                  | Pow                              |          |           | 1.45 |           |  |
| Sour                                   | rce                              | ECHA     |           |      |           |  |

OECD 301 B ECHA

readily biodegradable

## 12.4 Mobility in soil

Method

Source

Evaluation

No data available.

## 12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment |                    |  |  |
|------------------------------------|--------------------|--|--|
| PBT assessment                     | No data available. |  |  |
| vPvB assessment                    | No data available. |  |  |

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Other adverse effects

No data available.

12.7 Other information Other information

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# 13.1 Waste treatment methods

**SECTION 13: Disposal considerations** 

Do not discharge into the drains or waters and do not store on public depositories.

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Dispose of according to all applicable regulations upon consultation of the local competent authorities and the disposer in a suitable and authorised disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

### **SECTION 14: Transport information**

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

- **14.3 Transport ICAO-TI / IATA** The product is not subject to ICAO-TI / IATA regulations.
- **14.4 Other information** No data available.
- **14.5 Environmental hazards** Information on environmental hazards, if relevant, please see 14.1 - 14.3.
- **14.6** Special precautions for user No data available.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not relevant

### **SECTION 15: Regulatory information**

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU regulations</u>

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation) According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation** According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

| Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES |      |  |  |  |
|--|------|--|--|--|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.  | No 3 |  |  |  |

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**Directive 2012/18/EU** on the control of major-accident hazards involving dangerous substances This product is not subject to Part 1 or 2 of Annex I.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

### **SECTION 16: Other information**

#### Further information

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### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

# Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

| EUH066 | Repeated exposure may cause skin dryness or cracking. |
|--------|---|
| H225   | Highly flammable liquid and vapour.                   |
| H302   | Harmful if swallowed.                                 |
| H304   | May be fatal if swallowed and enters airways.         |
| H311   | Toxic in contact with skin.                           |
| H314   | Causes severe skin burns and eye damage.              |
| H315   | Causes skin irritation.                               |
| H318   | Causes serious eye damage.                            |
| H331   | Toxic if inhaled.                                     |
| H335   | May cause respiratory irritation.                     |
| H400   | Very toxic to aquatic life.                           |
| H410   | Very toxic to aquatic life with long lasting effects. |

### Department issuing safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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