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Revision date / version: 09.01.2017 / 0003  
Replacing version dated / version: 22.06.2015 / 0002  
Valid from: 09.01.2017  
PDF print date: 26.01.2017  
8140 Colad Anti Dust  
8141 Colad Anti Dust  
8142 Colad Anti Dust

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

#### 1.1 Product identifier

**8140 Colad Anti Dust**  
**8141 Colad Anti Dust**  
**8142 Colad Anti Dust**

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

##### Relevant identified uses of the substance or mixture:

Chemical product category [PC]:  
PC 9a - Coatings and paints, thinners, paint removers

##### Uses advised against:

No information available at present.

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

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EMM International BV, Marsweg 59, 8013 PE Zwolle, Netherlands  
Phone: +31-38-4676600, Fax: +31-38-4676699  
info@emm.com, www.emm.com

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

#### 1.4 Emergency telephone number

##### Emergency information services / official advisory body:

---

##### Telephone number of the company in case of emergencies:

+31-38-4676600 (Week days available between 08:00 & 17:00)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) 1272/2008 (CLP)

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

#### 2.2 Label elements

##### Labeling according to Regulation (EC) 1272/2008 (CLP)

EUH208-Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.  
EUH210-Safety data sheet available on request.

#### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).  
The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

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## SECTION 3: Composition/information on ingredients

### 3.1 Substance

n.a.

### 3.2 Mixture

| 2-Butoxyethanol   | Substance for which an EU exposure limit value applies.   |
|---|---|
| Registration number (REACH)                                 | 01-2119475108-36-XXXX   |
| Index   | 603-014-00-0  |
| EINECS, ELINCS, NLP   | 203-905-0   |
| CAS   | 111-76-2  |
| content %   | 1-5   |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Acute Tox. 4, H302<br>Eye Irrit. 2, H319<br>Skin Irrit. 2, H315<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332 |

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Never pour anything into the mouth of an unconscious person!

#### Inhalation

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Do not use eye drops or eye ointment before examination by an ophthalmologist.

#### Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting. Consult doctor immediately.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

The following may occur:

eyes, reddened

Watering eyes

Drying of the skin.

Gastrointestinal disturbances

Nausea

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

n.c.

## SECTION 5: Firefighting measures

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## 5.1 Extinguishing media

### Suitable extinguishing media

Water jet spray/foam/CO2/dry extinguisher

### Unsuitable extinguishing media

High volume water jet

## 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Toxic gases

## 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

## SECTION 6: Accidental release measures

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

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

### 6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

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

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

Flush residue using copious water.

### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

## SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

#### 7.1.1 General recommendations

Ensure good ventilation.

Avoid aerosol formation.

Avoid inhalation of the vapours.

Avoid contact with eyes or skin.

Keep away from sources of ignition - Do not smoke.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

#### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

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Protect from direct sunlight and warming.  
 Store at room temperature.  
 Do not store with alkalis.  
 Do not store with oxidizing agents.  
 Do not store with acids.  
 Suitable container:  
 Polypropylene  
 Stainless steel (alloy steel)  
 Unsuitable container:  
 Aluminium  
 Copper  
 Light metals

**7.3 Specific end use(s)**

No information available at present.

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

**8.1 Control parameters**

| Chemical Name   | 2-Butoxyethanol   | Content %:1-5 |
|---|---|---------------|
| WEL-TWA: 25 ppm (123 mg/m3) (WEL), 20 ppm (98 mg/m3) (EU)                   | WEL-STEL: 50 ppm (246 mg/m3) (WEL, EU)  | ---           |
| Monitoring procedures:  | - Compur - KITA-190 U(C) (548 873)<br>DFG (D) (Lösungsmittelgemische 3), DFG (E) (Solvent mixtures 3) - 1998,<br>- 2002 - EU project BC/CEN/ENTR/000/2002-16 card 32-2 (2004) |               |
| BMGV: 240 mmol butoxyacetic acid/mol creatinine in urine, post shift (BMGV) | Other information: Sk (WEL)   |               |

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.  
 \*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

| 2-Butoxyethanol     |  |                              |            |       |            |      |
|---------------------|--|------------------------------|------------|-------|------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health             | Descriptor | Value | Unit       | Note |
|                     | Environment - freshwater                   |                              | PNEC       | 8,8   | mg/l       |      |
|                     | Environment - marine                       |                              | PNEC       | 0,88  | mg/l       |      |
|                     | Environment - sediment, freshwater         |                              | PNEC       | 34,6  | mg/kg dw   |      |
|                     | Environment - soil                         |                              | PNEC       | 3,13  | mg/kg      |      |
|                     | Environment - sewage treatment plant       |                              | PNEC       | 463   | mg/l       |      |
|                     | Environment - sediment, marine             |                              | PNEC       | 3,46  | mg/kg dw   |      |
| Consumer            | Human - dermal                             | Short term, systemic effects | DNEL       | 44,5  | mg/kg bw/d |      |
| Consumer            | Human - inhalation                         | Short term, systemic effects | DNEL       | 426   | mg/m3      |      |
| Consumer            | Human - oral                               | Short term, systemic effects | DNEL       | 13,4  | mg/kg bw/d |      |
| Consumer            | Human - inhalation                         | Short term, local effects    | DNEL       | 123   | mg/m3      |      |
| Consumer            | Human - dermal                             | Long term, systemic effects  | DNEL       | 38    | mg/kg bw/d |      |

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|                     |                    |                              |      |     |                   |  |
|---------------------|--------------------|------------------------------|------|-----|-------------------|--|
| Consumer            | Human - inhalation | Long term, systemic effects  | DNEL | 49  | mg/m <sup>3</sup> |  |
| Consumer            | Human - oral       | Long term, systemic effects  | DNEL | 3,2 | mg/kg bw/d        |  |
| Workers / employees | Human - dermal     | Short term, systemic effects | DNEL | 89  | mg/kg bw/d        |  |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 663 | mg/m <sup>3</sup> |  |
| Workers / employees | Human - inhalation | Short term, local effects    | DNEL | 246 | mg/m <sup>3</sup> |  |
| Workers / employees | Human - dermal     | Long term, systemic effects  | DNEL | 75  | mg/kg bw/d        |  |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 98  | mg/m <sup>3</sup> |  |

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.  
 Applies only if maximum permissible exposure values are listed here.  
 Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.  
 These are specified by e.g. EN 14042.  
 EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:  
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:  
 Chemical resistant protective gloves (EN 374).  
 If applicable  
 Protective nitrile gloves (EN 374)  
 Minimum layer thickness in mm:  
 0,5  
 Permeation time (penetration time) in minutes:  
 > 120  
 The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.  
 The recommended maximum wearing time is 50% of breakthrough time.  
 Protective hand cream recommended.

Skin protection - Other:  
 Usual protective working garments

Respiratory protection:  
 Normally not necessary.

Thermal hazards:  
 Not applicable

Additional information on hand protection - No tests have been performed.  
 In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

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Selection of materials derived from glove manufacturer's indications.  
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.  
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.  
 In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.  
 The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |                           |
|--|---------------------------|
| Physical state:                          | Liquid                    |
| Colour:                                  | Colourless                |
| Odour:                                   | Characteristic            |
| Odour threshold:                         | Not determined            |
| pH-value:                                | 7,2                       |
| Melting point/freezing point:            | Not determined            |
| Initial boiling point and boiling range: | Not determined            |
| Flash point:                             | n.a.                      |
| Evaporation rate:                        | Not determined            |
| Flammability (solid, gas):               | n.a.                      |
| Lower explosive limit:                   | n.a.                      |
| Upper explosive limit:                   | n.a.                      |
| Vapour pressure:                         | Not determined            |
| Vapour density (air = 1):                | Not determined            |
| Density:                                 | 1,07 g/cm <sup>3</sup>    |
| Bulk density:                            | n.a.                      |
| Solubility(ies):                         | Acetone, Ethanol, Ether   |
| Water solubility:                        | Soluble                   |
| Partition coefficient (n-octanol/water): | Not determined            |
| Auto-ignition temperature:               | Not determined            |
| Decomposition temperature:               | Not determined            |
| Viscosity:                               | 820 mPas (20°C)           |
| Explosive properties:                    | Product is not explosive. |
| Oxidising properties:                    | No                        |

### 9.2 Other information

|                           |                |
|---------------------------|----------------|
| Miscibility:              | Not determined |
| Fat solubility / solvent: | Not determined |
| Conductivity:             | Not determined |
| Surface tension:          | Not determined |
| Solvents content:         | 3,8 %          |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not to be expected

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

Strong heat

### 10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

Avoid contact with strong alkalis.

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Avoid contact with strong acids.  
**10.6 Hazardous decomposition products**  
 No decomposition when used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

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|--|----------|-------|---------|----------|-------------|---------------------------|
| Toxicity / effect  | Endpoint | Value | Unit    | Organism | Test method | Notes                     |
| Acute toxicity, by oral route:                                       | ATE      | >2000 | mg/kg   |          |             | calculated value          |
| Acute toxicity, by dermal route:                                     | ATE      | >2000 | mg/kg   |          |             | calculated value          |
| Acute toxicity, by inhalation:                                       | ATE      | >20   | mg/l/4h |          |             | calculated value, Vapours |
| Acute toxicity, by inhalation:                                       | ATE      | >5    | mg/l/4h |          |             | calculated value, Aerosol |
| Skin corrosion/irritation:   |          |       |         |          |             | n.d.a.                    |
| Serious eye damage/irritation:                                       |          |       |         |          |             | n.d.a.                    |
| Respiratory or skin sensitisation:                                   |          |       |         |          |             | n.d.a.                    |
| Germ cell mutagenicity:  |          |       |         |          |             | n.d.a.                    |
| Carcinogenicity:   |          |       |         |          |             | n.d.a.                    |
| Reproductive toxicity:   |          |       |         |          |             | n.d.a.                    |
| Specific target organ toxicity - single exposure (STOT-SE):          |          |       |         |          |             | n.d.a.                    |
| Specific target organ toxicity - repeated exposure (STOT-RE):        |          |       |         |          |             | n.d.a.                    |
| Aspiration hazard:   |          |       |         |          |             | n.d.a.                    |
| Symptoms:  |          |       |         |          |             | n.d.a.                    |

| 2-Butoxyethanol                    |          |       |       |            |                                  |   |
|------------------------------------|----------|-------|-------|------------|----------------------------------|---|
| Toxicity / effect                  | Endpoint | Value | Unit  | Organism   | Test method                      | Notes   |
| Acute toxicity, by oral route:     | LD50     | 1746  | mg/kg | Rat        | OECD 401 (Acute Oral Toxicity)   |   |
| Acute toxicity, by dermal route:   | LD50     | 2275  | mg/kg | Rabbit     | OECD 402 (Acute Dermal Toxicity) | Does not conform with EU classification.              |
| Acute toxicity, by inhalation:     | LC50     | 2-20  | mg/l  | Rat        |                                  |   |
| Skin corrosion/irritation:         |          |       |       | Rabbit     |                                  | Irritant, Product removes fat.                        |
| Serious eye damage/irritation:     |          |       |       | Rabbit     |                                  | Intensively irritant, Risk of serious damage to eyes. |
| Respiratory or skin sensitisation: |          |       |       | Guinea pig | OECD 406 (Skin Sensitisation)    | Not sensitizing                                       |

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|           |  |  |  |  |  |  |   |
|-----------|--|--|--|--|--|--|---|
| Symptoms: |  |  |  |  |  |  | acidosis,<br>ataxia,<br>breathing<br>difficulties,<br>respiratory<br>distress,<br>drowsiness,<br>unconsciousnes<br>s, annoyance,<br>coughing,<br>headaches,<br>gastrointestinal<br>disturbances,<br>insomnia,<br>mucous<br>membrane<br>irritation,<br>dizziness |
|-----------|--|--|--|--|--|--|---|

## SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

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|--|----------|------|-------|------|----------|-------------|--------|
| Toxicity / effect  | Endpoint | Time | Value | Unit | Organism | Test method | Notes  |
| 12.1. Toxicity to fish:  |          |      |       |      |          |             | n.d.a. |
| 12.1. Toxicity to daphnia:   |          |      |       |      |          |             | n.d.a. |
| 12.1. Toxicity to algae:   |          |      |       |      |          |             | n.d.a. |
| 12.2. Persistence and degradability:                                 |          |      |       |      |          |             | n.d.a. |
| 12.3. Bioaccumulative potential:                                     |          |      |       |      |          |             | n.d.a. |
| 12.4. Mobility in soil:  |          |      |       |      |          |             | n.d.a. |
| 12.5. Results of PBT and vPvB assessment                             |          |      |       |      |          |             | n.d.a. |
| 12.6. Other adverse effects:   |          |      |       |      |          |             | n.d.a. |

| 2-Butoxyethanol            |           |      |       |      |                     |   |       |
|----------------------------|-----------|------|-------|------|---------------------|---|-------|
| Toxicity / effect          | Endpoint  | Time | Value | Unit | Organism            | Test method   | Notes |
| 12.1. Toxicity to fish:    | LC50      | 96h  | 1474  | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test)                    |       |
| 12.1. Toxicity to fish:    | NOEC/NOEL | 21d  | >100  | mg/l | Brachydanio rerio   | OECD 204 (Fish, Prolonged Toxicity Test - 14-Day Study) |       |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d  | 100   | mg/l | Daphnia magna       | OECD 211 (Daphnia magna Reproduction Test)              |       |
| 12.1. Toxicity to daphnia: | EC50      | 48h  | 1550  | mg/l | Daphnia magna       | OECD 202 (Daphnia sp. Acute Immobilisation Test)        |       |



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|   |           |     |               |                |                                     |   |   |
|---|-----------|-----|---------------|----------------|-------------------------------------|---|---|
| 12.1. Toxicity to algae:                    | EC50      | 72h | 1840          | mg/l           | Pseudokirchnerie<br>lla subcapitata | OECD 201<br>(Alga, Growth<br>Inhibition Test)                                   |   |
| 12.2. Persistence and<br>degradability:     |           | 28d | 95            | %              |                                     | OECD 301 E<br>(Ready<br>Biodegradability -<br>Modified OECD<br>Screening Test)  |   |
| 12.2. Persistence and<br>degradability:     |           | 28d | >99           | %              |                                     | OECD 302 B<br>(Inherent<br>Biodegradability -<br>Zahn-<br>Wellens/EMPA<br>Test) |   |
| 12.3. Bioaccumulative<br>potential:         | BCF       |     | 3,2           |                |                                     |   |   |
| 12.3. Bioaccumulative<br>potential:         | Log Pow   |     | 0,83          |                |                                     |   | Negative                                  |
| 12.4. Mobility in soil:                     | H (Henry) |     | 0,00000<br>16 | atm*m3/<br>mol |                                     |   |   |
| 12.5. Results of PBT<br>and vPvB assessment |           |     |               |                |                                     |   | No PBT<br>substance, No<br>vPvB substance |
| Toxicity to bacteria:                       | EC0       | 16h | >700          | mg/l           | Pseudomonas<br>putida               | DIN 38412 T.8   |   |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

08 01 12 waste paint and varnish other than those mentioned in 08 01 11

08 02 99 wastes not otherwise specified

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

#### For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Untampered packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

## SECTION 14: Transport information

### General statements

14.1. UN number: n.a.

#### Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Classification code: n.a.

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LQ: n.a.  
14.5. Environmental hazards: Not applicable  
Tunnel restriction code:

#### Transport by sea (IMDG-code)

14.2. UN proper shipping name:  
14.3. Transport hazard class(es): n.a.  
14.4. Packing group: n.a.  
Marine Pollutant: n.a.  
14.5. Environmental hazards: Not applicable

#### Transport by air (IATA)

14.2. UN proper shipping name:  
14.3. Transport hazard class(es): n.a.  
14.4. Packing group: n.a.  
14.5. Environmental hazards: Not applicable

#### 14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

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

Non-dangerous material according to Transport Regulations.

### SECTION 15: Regulatory information

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

Observe restrictions:  
General hygiene measures for the handling of chemicals are applicable.

#### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

### SECTION 16: Other information

Revised sections: 2,10,11,12

#### Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

Acute Tox. — Acute toxicity - oral  
Eye Irrit. — Eye irritation  
Skin Irrit. — Skin irritation  
Acute Tox. — Acute toxicity - dermal  
Acute Tox. — Acute toxicity - inhalation

#### Any abbreviations and acronyms used in this document:

AC Article Categories  
acc., acc. to according, according to  
ACGIH American Conference of Governmental Industrial Hygienists

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ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)  
AOEL Acceptable Operator Exposure Level  
AOX Adsorbable organic halogen compounds  
approx. approximately  
Art., Art. no. Article number  
ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)  
BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)  
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)  
BCF Bioconcentration factor  
BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)  
BHT Butylhydroxytoluol (= 2,6-Di-*t*-butyl-4-methyl-phenol)  
BMGV Biological monitoring guidance value (EH40, UK)  
BOD Biochemical oxygen demand  
BSEF Bromine Science and Environmental Forum  
bw body weight  
CAS Chemical Abstracts Service  
CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids  
CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques  
CIPAC Collaborative International Pesticides Analytical Council  
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)  
CMR carcinogenic, mutagenic, reproductive toxic  
COD Chemical oxygen demand  
CTFA Cosmetic, Toiletry, and Fragrance Association  
DMEL Derived Minimum Effect Level  
DNEL Derived No Effect Level  
DOC Dissolved organic carbon  
DT50 Dwell Time - 50% reduction of start concentration  
DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)  
dw dry weight  
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance  
EC European Community  
ECHA European Chemicals Agency  
EEA European Economic Area  
EEC European Economic Community  
EINECS European Inventory of Existing Commercial Chemical Substances  
ELINCS European List of Notified Chemical Substances  
EN European Norms  
EPA United States Environmental Protection Agency (United States of America)  
ERC Environmental Release Categories  
ES Exposure scenario  
etc. et cetera  
EU European Union  
EWC European Waste Catalogue  
Fax. Fax number  
gen. general  
GHS Globally Harmonized System of Classification and Labelling of Chemicals  
GWP Global warming potential  
HET-CAM Hen's Egg Test - Chorionallantoic Membrane  
HGWP Halocarbon Global Warming Potential  
IARC International Agency for Research on Cancer  
IATA International Air Transport Association  
IBC Intermediate Bulk Container  
IBC (Code) International Bulk Chemical (Code)  
IC Inhibitory concentration  
IMDG-code International Maritime Code for Dangerous Goods  
incl. including, inclusive  
IUCLID International Uniform Chemical Information Database  
LC lethal concentration

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LC50 lethal concentration 50 percent kill  
LCLo lowest published lethal concentration  
LD Lethal Dose of a chemical  
LD50 Lethal Dose, 50% kill  
LDLo Lethal Dose Low  
LOAEL Lowest Observed Adverse Effect Level  
LOEC Lowest Observed Effect Concentration  
LOEL Lowest Observed Effect Level  
LQ Limited Quantities  
MARPOL International Convention for the Prevention of Marine Pollution from Ships  
n.a. not applicable  
n.av. not available  
n.c. not checked  
n.d.a. no data available  
NIOSH National Institute of Occupational Safety and Health (United States of America)  
NOAEC No Observed Adverse Effective Concentration  
NOAEL No Observed Adverse Effect Level  
NOEC No Observed Effect Concentration  
NOEL No Observed Effect Level  
ODP Ozone Depletion Potential  
OECD Organisation for Economic Co-operation and Development  
org. organic  
PAH polycyclic aromatic hydrocarbon  
PBT persistent, bioaccumulative and toxic  
PC Chemical product category  
PE Polyethylene  
PNEC Predicted No Effect Concentration  
POCP Photochemical ozone creation potential  
ppm parts per million  
PROC Process category  
PTFE Polytetrafluorethylene  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
SADT Self-Accelerating Decomposition Temperature  
SAR Structure Activity Relationship  
SU Sector of use  
SVHC Substances of Very High Concern  
Tel. Telephone  
ThOD Theoretical oxygen demand  
TOC Total organic carbon  
TRGS Technische Regeln für Gefahrstoffe (= Technical Regulations for Hazardous Substances)  
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))  
VOC Volatile organic compounds  
vPvB very persistent and very bioaccumulative  
WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).  
WHO World Health Organization  
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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