

Page 1 of 16
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 09.07.2019 / 0002
Replacing version dated / version: 13.02.2018 / 0001
Valid from: 09.07.2019
PDF print date: 12.11.2019
Colad Dust Control

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

Colad Dust Control

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

Relevant identified uses of the substance or mixture:

See definition of the substance or mixture.

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

GB

EMM International BV
Bohemenstraat 19
8028 SB Zwolle
Telefon: +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)

| Hazard class | Hazard category | Hazard statement |
|--------------|-----------------|---|
| Eye Irrit. | 2 | H319-Causes serious eye irritation. |
| Skin Sens. | 1 | H317-May cause an allergic skin reaction. |

2.2 Label elements

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



Warning

H319-Causes serious eye irritation. H317-May cause an allergic skin reaction.

P261-Avoid breathing vapours or spray. P280-Wear protective gloves / eye protection / face protection.

P314-Get medical advice / attention if you feel unwell.

2-methylisothiazol-3(2H)-one

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 %).

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

| Propan-2-ol | |
|---|---|
| Registration number (REACH) | 01-2119457558-25-XXXX |
| Index | 603-117-00-0 |
| EINECS, ELINCS, NLP | 200-661-7 |
| CAS | 67-63-0 |
| content % | 1-<10 |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |

| Reaction products of 1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-(C7-C17 odd-numbered, C17-unsatd. alkyl) derivs. and sodium hydroxide and chloroacetic acid | |
|--|-------------------------------|
| Registration number (REACH) | 01-2119487973-19-XXXX |
| Index | --- |
| EINECS, ELINCS, NLP | 931-291-0 (REACH-IT List-No.) |
| CAS | --- |
| content % | 1-<3 |
| Classification according to Regulation (EC) 1272/2008 (CLP) | Eye Dam. 1, H318 |

| 2-methylisothiazol-3(2H)-one | |
|------------------------------|--------------|
| Registration number (REACH) | --- |
| Index | 613-326-00-9 |
| EINECS, ELINCS, NLP | 220-239-6 |
| CAS | 2682-20-4 |
| content % | 0,0015-<0,01 |

Page 3 of 16
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 09.07.2019 / 0002
Replacing version dated / version: 13.02.2018 / 0001
Valid from: 09.07.2019
PDF print date: 12.11.2019
Colad Dust Control

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

Acute Tox. 3, H301
Acute Tox. 3, H311
Skin Corr. 1B, H314
Skin Sens. 1A, H317
Eye Dam. 1, H318
Acute Tox. 2, H330
Aquatic Acute 1, H400 (M=10)
Aquatic Chronic 1, H410 (M=1)

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 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

First-aiders should ensure they are protected!
Never pour anything into the mouth of an unconscious person!

Inhalation

Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.
If the person is unconscious, place in a stable side position and consult a doctor.

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.

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
Dermatitis (skin inflammation)

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

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.

GB

Page 4 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

According to size of fire
 Full protection, if necessary.
 Cool container at risk with water.
 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.
 Remove possible causes of ignition - do not smoke.
 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.
 Do not wash away with water or watery cleaning agents.

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 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.
 Use working methods according to operating instructions.

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

Keep out of access to unauthorised individuals.
 Store product closed and only in original packing.
 Not to be stored in gangways or stair wells.
 Protect from direct sunlight and warming.
 Store in a well-ventilated place.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

GB

| Chemical Name | Propan-2-ol | | Content %:1- <10 |
|---------------|---------------------|-----------|----------------------|
| WEL-TWA: | 400 ppm (999 mg/m3) | WEL-STEL: | 500 ppm (1250 mg/m3) |
| | | | --- |

GB

Page 5 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

Monitoring procedures:

- Compur - KITA-122 SA(C) (549 277)
- Compur - KITA-150 U (550 382)
- Draeger - Alcohol 25/a i-Propanol (81 01 631)
- DFG (D) (Loesungsmittelgemische), DFG (E) (Solvent mixtures 6) - 1998, 2002 -
- EU project BC/CEN/ENTR/000/2002-16 card 66-3 (2004)
- Draeger - Alcohol 100/a (CH 29 701)

BMGV: ---

Other information: ---

| Chemical Name | Glycerine | Content %: |
|----------------------------|---------------|------------------------|
| WEL-TWA: 10 mg/m3 (mist) | WEL-STEL: --- | --- |
| Monitoring procedures: --- | | |
| BMGV: --- | | Other information: --- |

| Propan-2-ol | | | | | | |
|---------------------|--|------------------|------------|-------|------------|-------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 140,9 | mg/l | |
| | Environment - marine | | PNEC | 140,9 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 552 | mg/kg | |
| | Environment - sediment, marine | | PNEC | 552 | mg/kg | |
| | Environment - soil | | PNEC | 28 | mg/kg | |
| | Environment - sewage treatment plant | | PNEC | 2251 | mg/l | |
| | Environment - water, sporadic (intermittent) release | | PNEC | 140,9 | mg/l | |
| | Environment - oral (animal feed) | | PNEC | 160 | mg/kg feed | |
| Consumer | Human - dermal | Long term | DNEL | 319 | mg/kg | (1 d) |
| Consumer | Human - inhalation | Long term | DNEL | 89 | mg/m3 | |
| Consumer | Human - oral | Long term | DNEL | 26 | mg/kg | (1 d) |
| Workers / employees | Human - dermal | Long term | DNEL | 888 | mg/kg | (1 d) |
| Workers / employees | Human - inhalation | Long term | DNEL | 500 | mg/m3 | |

| Reaction products of 1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-(C7-C17 odd-numbered, C17-unsatd. alkyl) derivs. and sodium hydroxide and chloroacetic acid | | | | | | |
|--|--|-----------------------------|------------|---------|------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 0,0053 | mg/l | |
| | Environment - marine | | PNEC | 0,00053 | mg/l | |
| | Environment - water, sporadic (intermittent) release | | PNEC | 0,053 | mg/l | |
| | Environment - sewage treatment plant | | PNEC | 6,6 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 0,0208 | mg/kg | |
| | Environment - sediment, marine | | PNEC | 0,00208 | mg/kg | |
| | Environment - soil | | PNEC | 0,00104 | mg/kg | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 4,06 | mg/m3 | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 3,85 | mg/kg bw/d | |

GB

Page 6 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

| | | | | | | |
|---------------------|--------------------|-----------------------------|------|------|------------|--|
| Consumer | Human - oral | Long term, systemic effects | DNEL | 0,39 | mg/kg bw/d | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 4,5 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 6,42 | mg/kg bw/d | |

| Glycerine | | | | | | |
|---------------------|--|-----------------------------|------------|-------|--------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 0,885 | mg/l | |
| | Environment - marine | | PNEC | 0,088 | mg/l | |
| | Environment - sewage treatment plant | | PNEC | 1000 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 3,3 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 0,33 | mg/kg dw | |
| | Environment - soil | | PNEC | 0,141 | mg/kg dw | |
| Consumer | Human - inhalation | Long term, local effects | DNEL | 33 | mg/m3 | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 229 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 56 | mg/m3 | |

GB WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | 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.

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. BS EN 14042.
 BS 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).

Page 7 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

Recommended

Safety gloves made of butyl (EN 374)

Protective nitrile gloves (EN 374).

Minimum layer thickness in mm:

>= 0,4

Permeation time (penetration time) in minutes:

>= 480

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended.

Unsuitable material:

Cotton gloves

Leather gloves

Skin protection - Other:

Usual protective working garments

Respiratory protection:

If OES or MEL is exceeded.

Gas mask filter A (EN 14387), code colour brown

Observe wearing time limitations for respiratory protection equipment.

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.

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: | 10,2 (20°C) |
| Melting point/freezing point: | Not determined |
| Initial boiling point and boiling range: | Not determined |
| Flash point: | >93 °C |
| Evaporation rate: | Not determined |
| Flammability (solid, gas): | n.a. |
| Lower explosive limit: | 2 Vol-% |
| Upper explosive limit: | 12 Vol-% |
| Vapour pressure: | 43 hPa (20°C) |
| Vapour density (air = 1): | Not determined |
| Density: | ~1 g/cm3 (20°C) |
| Bulk density: | n.a. |
| Solubility(ies): | Not determined |
| Water solubility: | Mixable |
| Partition coefficient (n-octanol/water): | Not determined |
| Auto-ignition temperature: | 425 °C (Ignition temperature) |
| Decomposition temperature: | Not determined |

GB

Page 8 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

Viscosity: Not determined
 Explosive properties: Product is not explosive. When using: development of explosive vapour/air mixture possible.
 Oxidising properties: No

9.2 Other information

Miscibility: Not determined
 Fat solubility / solvent: Not determined
 Conductivity: Not determined
 Surface tension: Not determined
 Solvents content: Not determined

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

See also section 7.

None known

10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

Avoid contact with strong alkalis.

Avoid contact with strong acids.

10.6 Hazardous decomposition products

See also section 5.2

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).

| Colad Dust Control | | | | | | |
|---|----------|-------|------|----------|-------------|--------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | | | | | | n.d.a. |
| Acute toxicity, by dermal route: | | | | | | n.d.a. |
| Acute toxicity, by inhalation: | | | | | | n.d.a. |
| 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. |

| Propan-2-ol | | | | | | |
|-------------------|----------|-------|------|----------|-------------|-------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |

Page 9 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

| | | | | | | |
|---|-------|-----------|---------|------------------------|--|--|
| Acute toxicity, by oral route: | LD50 | 4570-5840 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | 13900 | mg/kg | Rabbit | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | 30 | mg/l/4h | Rat | | |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Irrit. 2 |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | Not sensitising |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | (Ames-Test) | Negative |
| Germ cell mutagenicity: | | | | Mouse | OECD 474 (Mammalian Erythrocyte Micronucleus Test) | Negative |
| Carcinogenicity: | | | | | | Negative |
| Reproductive toxicity: | | | | | | Negative |
| Specific target organ toxicity - single exposure (STOT-SE): | | | | | | May cause drowsiness or dizziness. |
| Specific target organ toxicity - repeated exposure (STOT-RE): | | | | | | Target organ(s): liver |
| Aspiration hazard: | | | | | | No |
| Symptoms: | | | | | | breathing difficulties, unconsciousness, vomiting, headaches, fatigue, dizziness, nausea |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 900 | mg/kg | Rat | OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) | |

Reaction products of 1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-(C7-C17 odd-numbered, C17-unsatd. alkyl) derivs. and sodium hydroxide and chloroacetic acid

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|------------------------------------|----------|-------|-------|------------|--|---------------------------------|
| Acute toxicity, by oral route: | LD50 | >5000 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rat | OECD 402 (Acute Dermal Toxicity) | |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Risk of serious damage to eyes. |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | | OECD 471 (Bacterial Reverse Mutation Test) | Negative |

GB

Page 10 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

| | | | | | | |
|---|-------|------|------------|-----|--|----------|
| Germ cell mutagenicity: | | | | | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative |
| Germ cell mutagenicity: | | | | | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test) | Negative |
| Aspiration hazard: | | | | | | No |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 92,5 | mg/kg bw/d | Rat | OECD 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) | |

| 2-methylisothiazol-3(2H)-one | | | | | | |
|------------------------------------|----------|-------|---------|----------|--------------------------------------|---------------------------------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 183 | mg/kg | Rat | | |
| Acute toxicity, by dermal route: | LD50 | 242 | mg/kg | Rat | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LD50 | 0,11 | mg/l/4h | Rat | OECD 403 (Acute Inhalation Toxicity) | Aerosol |
| Skin corrosion/irritation: | | | | | | Corrosive |
| Serious eye damage/irritation: | | | | | | Risk of serious damage to eyes. |
| Respiratory or skin sensitisation: | | | | | | Sensitising (skin contact) |

| Glycerine | | | | | | |
|---|----------|--------|---------|------------|--|--|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | >2000 | mg/kg | Rat | | |
| Acute toxicity, by dermal route: | LD50 | >10000 | mg/kg | Rabbit | | |
| Skin corrosion/irritation: | | | | Rabbit | IUCLID Chem. Data Sheet (ESIS) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Not irritant |
| Respiratory or skin sensitisation: | | | | Guinea pig | | Not sensitizing |
| Germ cell mutagenicity: | | | | | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Reproductive toxicity: | NOAEL | 2000 | mg/kg/d | | | Negative |
| Specific target organ toxicity - repeated exposure (STOT-RE): | NOAEL | 3,91 | mg/l | Rat | | 14d |
| Aspiration hazard: | | | | | | Negative |
| Symptoms: | | | | | | abdominal pain, drowsiness, diarrhoea, vomiting, headaches, mucous membrane irritation |

SECTION 12: Ecological information

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

Page 11 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

| Colad Dust Control | | | | | | | |
|--|----------|------|-------|------|----------|-------------|--------|
| 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. |

| Propan-2-ol | | | | | | | |
|--|----------|------|-------|------|-------------------------|--|-------------------------------------|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | LC50 | 96h | >100 | mg/l | Leuciscus idus | | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 2285 | mg/l | Daphnia magna | | |
| 12.1. Toxicity to fish: | LC50 | 96h | 1400 | mg/l | Lepomis macrochirus | | |
| 12.1. Toxicity to algae: | EC50 | 72h | >100 | mg/l | Desmodesmus subspicatus | | |
| 12.2. Persistence and degradability: | | 21d | 95 | % | | OECD 301 E (Ready Biodegradability - Modified OECD Screening Test) | Readily biodegradable |
| 12.2. Persistence and degradability: | | | 99,9 | % | | OECD 303 A (Simulation Test - Aerobic Sewage Treatment - Activated Sludge Units) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Pow | | 0,05 | | | OECD 107 (Partition Coefficient (n-octanol/water) - Shake Flask Method) | |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| 12.4. Mobility in soil: | Koc | | 1,1 | | | | Expert judgement |
| Toxicity to bacteria: | EC50 | | >1000 | mg/l | activated sludge | | |
| Other information: | ThOD | | 2,4 | g/g | | | |
| Other information: | BOD5 | | 53 | % | | | |
| Other information: | COD | | 96 | % | | | References |
| Other information: | COD | | 2,4 | g/g | | | |
| Other information: | BOD | | 1171 | mg/g | | | |

| Reaction products of 1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-(C7-C17 odd-numbered, C17-unsatd. alkyl) derivs. and sodium hydroxide and chloroacetic acid | | | | | | | |
|--|----------|------|-------|------|----------|-------------|-------------------------------------|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |

Page 12 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

| | | | | | | | |
|--------------------------------------|-----------|-----|------|------|------------------------------|---|-----------------------|
| 12.1. Toxicity to fish: | LC50 | 96h | 4,2 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to fish: | LC50 | 96h | 8,5 | mg/l | Brachydanio rerio | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 2,5 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | 30 | mg/l | Desmodesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | 16,9 | mg/l | Pseudokirchneria subcapitata | 84/449/EEC C.3 | |
| 12.2. Persistence and degradability: | | 28d | 100 | % | | OECD 311 (Anaerobic Biodeg. of Organic Comp. in Digested Sludge - by Measurement of Gas Production) | |
| 12.2. Persistence and degradability: | | 28d | 79 | % | activated sludge | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | Readily biodegradable |
| Toxicity to bacteria: | NOEC/NOEL | | 12,7 | g/l | Pseudomonas putida | DIN 38412 T.8 | |
| Other information: | COD | | 720 | g/l | | DIN 38409-H41 | |

| 2-methylisothiazol-3(2H)-one | | | | | | | |
|--------------------------------------|-----------------|-------------|--------------|-------------|---------------------|--|---------------------------|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.2. Persistence and degradability: | | 28d | 0,32 | % | | OECD 301 B (Ready Biodegradability - Co2 Evolution Test) | Not readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Kow | | -0,32 | | | OECD 117 (Partition Coefficient (n-octanol/water) - HPLC method) | |
| 12.1. Toxicity to fish: | NOEC/NOEL | 28d | 2,38 | mg/l | Pimephales promelas | OECD 210 (Fish, Early-Life Stage Toxicity Test) | |
| 12.1. Toxicity to fish: | LC50 | 96h | 4,77 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 0,359 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | 0,0442 | mg/l | Daphnia magna | | |

Page 13 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

| | | | | | | | |
|--------------------------|-----------|------|-------|------|-------------------------------------|---|--|
| 12.1. Toxicity to algae: | NOEC/NOEL | 120h | 0,05 | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | 0,445 | mg/l | Pseudokirchnerie lla subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |

| Glycerine | | | | | | | |
|---|----------|------|---------|------|-----------------------|--|--|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | LC50 | 96h | > 5000 | mg/l | Carassius auratus | | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | >10000 | mg/l | Daphnia magna | | |
| 12.1. Toxicity to daphnia: | EC5 | 72h | 3200 | mg/l | | | Entosiphon sulcatum |
| 12.1. Toxicity to algae: | EC50 | | 2900 | mg/l | Chlorella vulgaris | | |
| 12.2. Persistence and degradability: | | 14d | 63 | % | | OECD 301 C (Ready Biodegradability - Modified MITI Test (I)) | |
| 12.2. Persistence and degradability: | BOD/COD | | >60 | % | | | |
| 12.2. Persistence and degradability: | BOD5/COD | | > 50 | % | | | |
| 12.2. Persistence and degradability: | DOC | | >70 | % | | | Readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Pow | | -1,76 | | | | A notable biological accumulation potential is not to be expected (LogPow 1-3). |
| 12.5. Results of PBT and vPvB assessment | | | | | | | n.a. |
| Toxicity to bacteria: | EC5 | 16h | > 10000 | mg/l | Pseudomonas putida | | |
| Other information: | BOD5 | | 0,87 | g/g | | | |
| Other information: | COD | | 1,16 | g/g | | | |
| Other information: | ThOD | | 1,217 | g/g | | | Readily biodegradable |

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 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances

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.

Page 14 of 16
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 09.07.2019 / 0002
 Replacing version dated / version: 13.02.2018 / 0001
 Valid from: 09.07.2019
 PDF print date: 12.11.2019
 Colad Dust Control

Uncontaminated 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.
 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:
 Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC): 7,5 %

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 2, 3, 11, 12, 15
 These details refer to the product as it is delivered.
 Employee instruction/training in handling hazardous materials is required.

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

| Classification in accordance with regulation (EC) No. 1272/2008 (CLP) | Evaluation method used |
|---|--|
| Eye Irrit. 2, H319 | Classification according to calculation procedure. |
| Skin Sens. 1, H317 | Classification according to calculation procedure. |

Page 15 of 16
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 09.07.2019 / 0002
Replacing version dated / version: 13.02.2018 / 0001
Valid from: 09.07.2019
PDF print date: 12.11.2019
Colad Dust Control

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).

H330 Fatal if inhaled.
H225 Highly flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Eye Irrit. — Eye irritation
Skin Sens. — Skin sensitization
Flam. Liq. — Flammable liquid
STOT SE — Specific target organ toxicity - single exposure - narcotic effects
Eye Dam. — Serious eye damage
Acute Tox. — Acute toxicity - oral
Acute Tox. — Acute toxicity - dermal
Skin Corr. — Skin corrosion
Acute Tox. — Acute toxicity - inhalation
Aquatic Acute — Hazardous to the aquatic environment - acute
Aquatic Chronic — Hazardous to the aquatic environment - chronic

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOX Adsorbable organic halogen compounds
approx. approximately
Art., Art. no. Article number
ASTM ASTM International (American Society for Testing and Materials)
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)
BSEF The International Bromine Council
bw body weight
CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR carcinogenic, mutagenic, reproductive toxic
DMEL Derived Minimum Effect Level
DNEL Derived No Effect Level
dw dry weight
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
EC European Community
ECHA European Chemicals Agency
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)
etc. et cetera
EU European Union
EVAL Ethylene-vinyl alcohol copolymer
Fax. Fax number
gen. general
GHS Globally Harmonized System of Classification and Labelling of Chemicals

Page 16 of 16
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 09.07.2019 / 0002
Replacing version dated / version: 13.02.2018 / 0001
Valid from: 09.07.2019
PDF print date: 12.11.2019
Colad Dust Control

GWP Global warming potential
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IBC (Code) International Bulk Chemical (Code)
IMDG-code International Maritime Code for Dangerous Goods
incl. including, inclusive
IUCLID International Uniform Chemical Information Database
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
OECD Organisation for Economic Co-operation and Development
org. organic
PBT persistent, bioaccumulative and toxic
PE Polyethylene
PNEC Predicted No Effect Concentration
ppm parts per million
PVC Polyvinylchloride
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)
SVHC Substances of Very High Concern
Tel. Telephone
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
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:

Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.