

Aflatoxin G1

version number GHS 2.0
replaces version of 29.04.2019 (GHS 1)

Revision: 28.07.2023

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

1.1 Product identifier

| | |
|---------------------------------|--|
| Identification of the substance | Aflatoxin G1 |
| CAS number | 1165-39-5 |
| Alternative name(s) | (7aR,cis)3,4,7a,10a-tetrahydro-5-methoxy-1H,12H-furo[3',2':4,5]furo[2,3-h]pyrano[3,4-c]chromene-1,12-dione |
| Article number | 10000313 |

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

| | |
|--------------------------|--|
| Relevant identified uses | Laboratory and analytical use |
| Uses advised against | Do not use for private purposes (household). |

1.3 Details of the supplier of the safety data sheet

Romer Labs® Division Holding GmbH
Erber Campus 1
3131
Getzersdorf
Austria
Telephone: +43 2782 803 0
e-mail: Office.RomerLabsEU@dsm.com
Website: www.romerlabs.com

Additional information

| Manufacturer | | | | | |
|--------------|----------------------------------|--------------|--------------------|-------------------|----------------------------|
| Country | Name | Street | Postal code / city | Telephone | e-Mail |
| Austria | Romer Labs Division Holding GmbH | Technopark 5 | 3430 Tulln | +43 2272 615 33 0 | Office.RomerLabsEU@dsm.com |

1.4 Emergency telephone number

| | |
|-------------------------------|---|
| Emergency information service | +43 2782 803 0 Mon - Thu 09:00 - 16:00, Fri 09:00 - 12:00, GMT+1 |
|-------------------------------|---|

| Poison centre | | |
|---------------|---------------------------------|-----------------------|
| Country | Name | Telephone |
| Austria | Vergiftungsinformationszentrale | +43 1 406 43 43 (24h) |

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

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| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---------|--|----------|---------------------------|------------------|
| 3.10 | acute toxicity (oral) | 2 | Acute Tox. 2 | H300 |
| 3.1D | acute toxicity (dermal) | 2 | Acute Tox. 2 | H310 |
| 3.1I | acute toxicity (inhal.) | 2 | Acute Tox. 2 | H330 |
| 3.5 | germ cell mutagenicity | 1B | Muta. 1B | H340 |
| 3.6 | carcinogenicity | 1B | Carc. 1B | H350 |
| 3.9 | specific target organ toxicity - repeated exposure | 2 | STOT RE 2 | H373 |

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects
Delayed or immediate effects can be expected after short or long-term exposure.

2.2 Label elements

Labelling

- Signal word danger

- Pictograms

GHS06, GHS08



- Hazard statements

H300+H310+H330

Fatal if swallowed, in contact with skin or if inhaled.

H340

May cause genetic defects.

H350

May cause cancer.

H373

May cause damage to organs through prolonged or repeated exposure.

- Precautionary statements

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P262

Do not get in eyes, on skin, or on clothing.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P403+P233

Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Name of substance Aflatoxin G1

Identifiers

CAS No 1165-39-5

| Specific Conc. Limits | M-Factors | ATE | Exposure route |
|-----------------------|-----------|-------------------------------------|---|
| - | - | 5 mg/kg 50 mg/kg 0.05 mg/l/4h | oral dermal inhalation: dust/mist |

Molecular formula C₁₇ H₁₂ O₇

Molar mass 328.3 g/mol

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Rinse skin with water/shower.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, ABC-powder

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Deposited combustible dust has considerable explosion potential.

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Hazardous combustion products
Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains, Take up mechanically

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Removal of dust deposits.

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- Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)
this information is not available

8.2 Exposure controls

Appropriate engineering controls

Use local and general ventilation.

Individual protection measures (personal protective equipment)



Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear protective gloves.

- Other protection measures

Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

Respiratory protection

Particulate filter device (EN 143).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|----------------|
| Physical state | solid |
| Colour | light yellow |
| Odour | characteristic |
| Melting point/freezing point | 244 – 246 °C |
| Boiling point or initial boiling point and boiling range | not determined |

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| | |
|---------------------------------|---|
| Flammability | this material is combustible, but will not ignite readily |
| Lower and upper explosion limit | not determined |
| Flash point | not applicable |
| Auto-ignition temperature | not determined |
| Decomposition temperature | not relevant |
| pH (value) | not applicable |
| Kinematic viscosity | not relevant |
| Solubility(ies) | not determined |

Partition coefficient

| | |
|---|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---|-----------------------------------|

| | |
|-----------------|----------------|
| Vapour pressure | not determined |
|-----------------|----------------|

Density and/or relative density

| | |
|-------------------------|---|
| Density | not determined |
| Relative vapour density | information on this property is not available |

| | |
|--------------------------|-------------------|
| Particle characteristics | no data available |
|--------------------------|-------------------|

9.2 Other information

| | |
|--|---|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
| Other safety characteristics | there is no additional information |

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

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10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Classification acc. to GHS

Acute toxicity

Fatal if swallowed. Fatal in contact with skin. Fatal if inhaled.

- Acute toxicity estimate (ATE)

| | |
|-----------------------|--------------|
| Oral | 5 mg/kg |
| Dermal | 50 mg/kg |
| Inhalation: dust/mist | 0.05 mg/l/4h |

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

May cause genetic defects.

Carcinogenicity

May cause cancer.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

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SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste (Basel Convention)

Properties of waste which render it hazardous

| | |
|------|----------------------------|
| H6.1 | Poisonous (Acute) |
| H11 | Toxic (Delayed or chronic) |

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number

| | |
|-----------|---------|
| UN RTDG | UN 2811 |
| IMDG-Code | UN 2811 |
| ICAO-TI | UN 2811 |

14.2 UN proper shipping name

| | |
|----------------|------------------------------|
| UN RTDG | TOXIC SOLID, ORGANIC, N.O.S. |
| IMDG-Code | TOXIC SOLID, ORGANIC, N.O.S. |
| ICAO-TI | Toxic solid, organic, n.o.s. |
| Technical name | Aflatoxin G1 |

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14.3 Transport hazard class(es)

| | |
|-----------|-----|
| UN RTDG | 6.1 |
| IMDG-Code | 6.1 |
| ICAO-TI | 6.1 |

14.4 Packing group

| | |
|-----------|----|
| UN RTDG | II |
| IMDG-Code | II |
| ICAO-TI | II |

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

International Maritime Dangerous Goods Code (IMDG) - Additional information

| | |
|---|----------|
| Marine pollutant | - |
| Danger label(s) | 6.1 |
|  | |
| Special provisions (SP) | 274 |
| Excepted quantities (EQ) | E4 |
| Limited quantities (LQ) | 500 g |
| EmS | F-A, S-A |
| Stowage category | B |

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

| | |
|---|--------|
| Danger label(s) | 6.1 |
|  | |
| Special provisions (SP) | A3, A5 |
| Excepted quantities (EQ) | E4 |
| Limited quantities (LQ) | 1 kg |

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SECTION 15: Regulatory information

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

There is no additional information.

National inventories

| Country | Inventory | Status |
|---------|-----------|---------------------|
| EU | ECSI | substance is listed |
| MX | INSQ | substance is listed |
| PH | PICCS | substance is listed |
| TW | TCSI | substance is listed |
| VN | NCI | substance is listed |

Legend

| | |
|-------|---|
| ECSI | EC Substance Inventory (EINECS, ELINCS, NLP) |
| INSQ | National Inventory of Chemical Substances |
| NCI | National Chemical Inventory |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances (PICCS) |
| TCSI | Taiwan Chemical Substance Inventory |

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---------|---|---|-----------------|
| 1.1 | Article number: 10000313 | | yes |
| 1.1 | | Article number: 10000313 | yes |
| 1.2 | Uses advised against: Do not use for products which come into contact with foodstuffs. Do not use for private purposes (household). | Uses advised against: Do not use for private purposes (household). | yes |
| 1.3 | Details of the supplier of the safety data sheet: Romer Labs® Division Holding GmbH Erber Campus 1 3131 Getzersdorf Austria Telephone: +43 2782 803 0 e-mail: office-europe@romerlabs.com Website: www.romerlabs.com | Details of the supplier of the safety data sheet: Romer Labs® Division Holding GmbH Erber Campus 1 3131 Getzersdorf Austria Telephone: +43 2782 803 0 e-mail: Office.RomerLabsEU@dsm.com Website: www.romerlabs.com | yes |
| 1.3 | Manufacturer | | yes |
| 1.3 | | Manufacturer: change in the listing (table) | yes |
| 1.3 | | Additional information | yes |
| 1.3 | | Manufacturer: change in the listing (table) | yes |

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| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---------|---|--|-----------------|
| 1.4 | Emergency information service: +43 2782 803 0 This number is only available during the following office hours: Mon - Thu 09:00 - 16:00, Fri 09:00 - 12:00, GMT+1 | Emergency information service: +43 2782 803 0 Mon - Thu 09:00 - 16:00, Fri 09:00 - 12:00, GMT+1 | yes |
| 1.4 | | Poison centre: change in the listing (table) | yes |
| 1.4 | | Poison centre: change in the listing (table) | yes |
| 2.1 | | Classification acc. to GHS: change in the listing (table) | yes |
| 2.2 | | - Hazard statements: change in the listing (table) | yes |
| 2.2 | | - Precautionary statements: change in the listing (table) | yes |
| 2.3 | | Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$. | yes |
| 3.1 | | CAS No: change in the listing (table) | yes |
| 4.1 | Following skin contact: Brush off loose particles from skin. Rinse skin with water/shower. | Following skin contact: Rinse skin with water/shower. | yes |
| 5.2 | Hazardous combustion products: Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO ₂) | Hazardous combustion products: Carbon monoxide (CO), Carbon dioxide (CO ₂) | yes |
| 7.1 | Specific notes/details: Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion. | Specific notes/details: Dust deposits may accumulate on all deposition surfaces in a technical room. | yes |
| 7.2 | - Ventilation requirements: Use local and general ventilation. | - Ventilation requirements: Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation. | yes |
| 8.1 | Control parameters: This information is not available. | Control parameters: Occupational exposure limit values (Workplace Exposure Limits) this information is not available | yes |
| 8.2 | Appropriate engineering controls: General ventilation. | Appropriate engineering controls: Use local and general ventilation. | yes |
| 8.2 | Hand protection: Chemical protection gloves are suitable, which are tested according to EN 374. Wear protective gloves. Check leak-tightness/impermeability prior to use. | Hand protection: Wear protective gloves. | yes |
| 9.1 | Appearance | | yes |
| 9.1 | Other safety parameters | | yes |
| 9.1 | | Lower and upper explosion limit: not determined | yes |

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| Section | Former entry (text/value) | Actual entry (text/value) | Safety-rel- evant |
|---------|--|---|----------------------|
| 9.1 | Evaporation rate: not determined | | yes |
| 9.1 | Explosion limits of dust clouds: not determined | | yes |
| 9.1 | | Decomposition temperature: not relevant | yes |
| 9.1 | | Kinematic viscosity: not relevant | yes |
| 9.1 | | Density and/or relative density | yes |
| 9.1 | Vapour density: this information is not available | | yes |
| 9.1 | Viscosity: not relevant (solid matter) | | yes |
| 9.1 | Explosive properties: none | | yes |
| 9.1 | Oxidising properties: none | | yes |
| 9.1 | | Particle characteristics: no data available | yes |
| 9.2 | other information: there is no additional information | Other information | yes |
| 9.2 | | Information with regard to physical hazard classes: hazard classes acc. to GHS (physical hazards): not relevant | yes |
| 9.2 | | Other safety characteristics: there is no additional information | yes |
| 10.4 | Hints to prevent fire or explosion: The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion. | | yes |
| 11.1 | Acute toxicity: Fatal if swallowed. | Acute toxicity: Fatal if swallowed. Fatal in contact with skin. Fatal if inhaled. | yes |
| 11.1 | | - Acute toxicity estimate (ATE): change in the listing (table) | yes |
| 11.1 | Germ cell mutagenicity: Shall not be classified as germ cell mutagenic. | Germ cell mutagenicity: May cause genetic defects. | yes |
| 11.1 | Carcinogenicity: Shall not be classified as carcinogenic. | Carcinogenicity: May cause cancer. | yes |
| 11.2 | | Information on other hazards: There is no additional information. | yes |
| 12.5 | Results of PBT and vPvB assessment: Data are not available. | Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. | yes |
| 12.6 | Endocrine disrupting potential: Not listed. | Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$. | yes |

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| Section | Former entry (text/value) | Actual entry (text/value) | Safety-rel- evant |
|---------|---|---|----------------------|
| 12.7 | Other adverse effects | Other adverse effects: Data are not available. | yes |
| 14.1 | UN number: 2811 | UN number or ID number | yes |
| 14.1 | | UN RTDG: UN 2811 | yes |
| 14.1 | | IMDG-Code: UN 2811 | yes |
| 14.1 | | ICAO-TI: UN 2811 | yes |
| 14.2 | UN proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. | UN proper shipping name | yes |
| 14.2 | | UN RTDG: TOXIC SOLID, ORGANIC, N.O.S. | yes |
| 14.2 | | IMDG-Code: TOXIC SOLID, ORGANIC, N.O.S. | yes |
| 14.2 | | ICAO-TI: Toxic solid, organic, n.o.s. | yes |
| 14.3 | Class: 6.1 (toxic substances) | | yes |
| 14.3 | | UN RTDG: 6.1 | yes |
| 14.3 | | IMDG-Code: 6.1 | yes |
| 14.3 | | ICAO-TI: 6.1 | yes |
| 14.4 | Packing group: II (substance presenting medium danger) | Packing group | yes |
| 14.4 | | UN RTDG: II | yes |
| 14.4 | | IMDG-Code: II | yes |
| 14.4 | | ICAO-TI: II | yes |
| 14.7 | Transport information - National regulations - Additional information (UN RTDG) | | yes |
| 14.7 | UN number: 2811 | | yes |
| 14.7 | Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. | | yes |
| 14.7 | Class: 6.1 | | yes |
| 14.7 | Packing group: II | | yes |
| 14.7 | Danger label(s): 6.1 | | yes |

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|---------|--|--|----------------------|
| 14.7 | | Danger label(s): change in the listing (table) | yes |
| 14.7 | Special provisions (SP): 274 (UN RTDG) | | yes |
| 14.7 | Excepted quantities (EQ): E4 (UN RTDG) | | yes |
| 14.7 | Limited quantities (LQ): 500 g (UN RTDG) | | yes |
| 14.7 | UN number: 2811 | | yes |
| 14.7 | Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. | | yes |
| 14.7 | Class: 6.1 | | yes |
| 14.7 | Packing group: II | | yes |
| 14.7 | UN number: 2811 | | yes |
| 14.7 | Proper shipping name: Toxic solid, organic, n.o.s. | | yes |
| 14.7 | Class: 6.1 | | yes |
| 14.7 | Packing group: II | | yes |
| 15.1 | | National inventories | yes |
| 15.1 | | National inventories: change in the listing (table) | yes |
| 16 | | Abbreviations and acronyms: change in the listing (table) | yes |
| 16 | | List of relevant phrases (code and full text as stated in section 2 and 3): change in the listing (table) | yes |
| 16 | Disclaimer: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. copyright: Romer Labs | Disclaimer: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. © 2023 Romer Labs | yes |

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|--------|--|
| ATE | Acute Toxicity Estimate |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |

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| Abbr. | Descriptions of used abbreviations |
|-----------|---|
| EmS | Emergency Schedule |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| ICAO-TI | Technical instructions for the safe transport of dangerous goods by air |
| IMDG | International Maritime Dangerous Goods Code |
| IMDG-Code | International Maritime Dangerous Goods Code |
| NLP | No-Longer Polymer |
| PBT | Persistent, Bioaccumulative and Toxic |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| UN RTDG | UN Recommendations on the Transport of Dangerous Good |
| vPvB | Very Persistent and very Bioaccumulative |

Key literature references and sources for data

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text |
|------|--|
| H300 | Fatal if swallowed. |
| H310 | Fatal in contact with skin. |
| H330 | Fatal if inhaled. |
| H340 | May cause genetic defects. |
| H350 | May cause cancer. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

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