

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

#### 1.1 Product identifier

Trade name **Flock cartridge Premium**  
 SDS-Ref 07541

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

Relevant identified uses  
 Flocculant  
 Professional use  
 Consumer use (private households)

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

Steinbach International GmbH  
 L. Steinbach Platz 1  
 4311 Schwertberg  
 Austria  
 Telephone: +43 7262 61431 1000  
 e-Mail: info@steinbach-group.com  
 e-Mail (competent person): sdb@steinbach-group.com

#### 1.4 Emergency telephone number

| Country        | Name                                 | Postal code/city | Telephone            | Opening hours |
|----------------|--------------------------------------|------------------|----------------------|---------------|
| Austria        | Vergiftungsinformationszentrale      | 1090 Wien        | +43 1 406 4343 (24h) |               |
| United Kingdom | National Poisons Information Service |                  | 111 (24h)            |               |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

| Section | Hazard class                             | Category | Hazard class and category | Hazard statement |
|---------|--|----------|---------------------------|------------------|
| 2.16    | substance or mixture corrosive to metals | 1        | Met. Corr. 1              | H290             |
| 3.3     | serious eye damage/eye irritation        | 1        | Eye Dam. 1                | H318             |

For full text of abbreviations: see SECTION 16.

#### 2.2 Label elements

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

- Signal word Danger

- Pictograms

GHS05



- Hazard statements

H290 May be corrosive to metals.

H318 Causes serious eye damage.

- Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

## Flock cartridge Premium

Version number: GHS 5.0 (2021-10-22)

Replaces version: GHS 4 (2020-11-11)

- Precautionary statements  
P501 Dispose of contents/container to hazardous or special waste collection point.
- Supplemental hazard information  
EUH208 Contains Lanthanum(III) chloride, heptahydrate. May produce an allergic reaction.
- Hazardous ingredients for labelling  
Aluminium sulphate, hexadecahydrate, Lanthanum(III) chloride, heptahydrate

### 2.3 Other hazards

Of no significance





## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

Description of the mixture

| Name of substance                     | Identifier   | Classification acc. to GHS  | Pictograms  | Wt%            |
|---------------------------------------|--|---|---|----------------|
| Aluminium sulphate, hexadecahydrate   | CAS No<br>16828-11-8<br><br>EC No<br>605-511-8<br><br>REACH Reg. No<br>01-2119531538-36-xxxx | Eye Dam. 1 / H318   |    | ≥ 90           |
| Lanthanum(III) chloride, heptahydrate | CAS No<br>10025-84-0<br><br>EC No<br>233-237-5<br><br>REACH Reg. No<br>01-2119452063-49-xxxx | Met. Corr. 1 / H290<br>Eye Dam. 1 / H318<br>Skin Sens. 1 / H317<br>Aquatic Chronic 2 / H411 | <br><br> | 1 – < 5        |
| Name of substance                     | Specific Conc. Limits  | M-Factors   | ATE   | Exposure route |
| Lanthanum(III) chloride, heptahydrate | Skin Sens. 1; H317: C ≥ 10 %   | -   | -   |                |

For full text of abbreviations: see SECTION 16.

## 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. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Take off immediately all contaminated clothing. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Self-protection of the first aider.

Following inhalation

Mouth to mouth resuscitation should be avoided. Use alternative methods, preferably with oxygen or compressed air driven apparatus. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

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. In all cases of doubt, or when symptoms persist, seek medical advice.

### Following ingestion

Rinse mouth with water (only if the person is conscious). Let be drunken in little sips: 0,1-0,2l Water. Do NOT induce vomiting. Call a physician immediately.

## 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, Alcohol resistant foam, ABC-powder

Unsuitable extinguishing media

Water jet

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

Substance or mixture corrosive to metals.

### 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. Ventilate affected area.

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

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 only in well-ventilated areas. Use local and general ventilation.
- 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 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.
- Corrosive conditions  
Store in corrosive resistant container with a resistant inner liner.

**Control of effects**

- Protect against external exposure, such as  
High temperatures, Frost, Humidity, UV-radiation/sunlight
- Ventilation requirements  
Use local and general ventilation.

**Packaging compatibilities**

Professional use: Keep only in the original container. Consumer use (private households): Keep only in original container.

**Conditions of storage**

Keep container tightly closed in a cool place. Protect from sunlight. Keep away from children.

#### 7.3 Specific end use(s)

There is no additional information.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

| Occupational exposure limit values (Workplace Exposure Limits) |               |        |            |           |                          |            |                           |                 |                                |          |             |
|--|---------------|--------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|-------------|
| Country  | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Notation | Source      |
| GB   | dust          |        | WEL        |           | 10                       |            |                           |                 |                                | i        | EH40 / 2005 |
| GB   | dust          |        | WEL        |           | 4                        |            |                           |                 |                                | r        | EH40 / 2005 |

**Notation**

- Ceiling-C ceiling value is a limit value above which exposure should not occur
- i inhalable fraction
- r respirable fraction
- STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

### Notation

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

| Relevant DNELs of components of the mixture |            |           |                       |                                    |                               |                            |
|---|------------|-----------|-----------------------|------------------------------------|-------------------------------|----------------------------|
| Name of substance                           | CAS No     | End-point | Threshold level       | Protection goal, route of exposure | Used in                       | Exposure time              |
| Aluminium sulphate, hexadecahydrate         | 16828-11-8 | DNEL      | 3.3 mg/m <sup>3</sup> | human, inhalatory                  | consumer (private households) | chronic - systemic effects |
| Aluminium sulphate, hexadecahydrate         | 16828-11-8 | DNEL      | 1.9 mg/kg bw/day      | human, oral                        | consumer (private households) | chronic - systemic effects |

| Relevant PNECs of components of the mixture |            |           |                 |                   |                              |                              |
|---|------------|-----------|-----------------|-------------------|------------------------------|------------------------------|
| Name of substance                           | CAS No     | End-point | Threshold level | Organism          | Environmental compartment    | Exposure time                |
| Lanthanum(III) chloride, heptahydrate       | 10025-84-0 | PNEC      | 0.018 mg/l      | aquatic organisms | freshwater                   | short-term (single instance) |
| Lanthanum(III) chloride, heptahydrate       | 10025-84-0 | PNEC      | 0.002 mg/l      | aquatic organisms | marine water                 | short-term (single instance) |
| Lanthanum(III) chloride, heptahydrate       | 10025-84-0 | PNEC      | 12.5 mg/l       | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |

## 8.2 Exposure controls (professional use)

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

- Eye/face protection

Use safety goggles with side protection (EN 166).

### Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Type of material

PVC: polyvinyl chloride, NR: natural rubber, latex

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

### Respiratory protection

Particulate filter device (EN 143).

In case of inadequate ventilation wear respiratory protection: Full face mask (DIN EN 136).

### 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   | white  |
| Odour  | odourless  |
| Melting point/freezing point                             | 770 °C   |
| Boiling point or initial boiling point and boiling range | 1,750 °C   |
| Flammability   | non-combustible  |
| Lower and upper explosion limit                          | not determined   |
| Flash point  | not applicable   |
| Auto-ignition temperature                                | not determined   |
| pH (value)   | 2.5 – 4 (in aqueous solution: 20 mg/cm <sup>3</sup> , 20 °C) |
| Kinematic viscosity                                      | not relevant   |
| Particle characteristics                                 | no data available  |
| Oxidising properties                                     | none   |
| Vapour pressure  |  |
| Vapour pressure  | not determined   |

#### Density and/or relative density

|                         |   |
|-------------------------|---|
| Density                 | 2.71 g/cm <sup>3</sup>                        |
| Relative vapour density | information on this property is not available |

#### Other safety parameters

##### Solubility(ies)

|                  |                  |
|------------------|------------------|
| Water solubility | 300 g/l at 20 °C |
|------------------|------------------|

##### Partition coefficient

|                           |                                   |
|---------------------------|-----------------------------------|
| n-Octanol/water (log KOW) | this information is not available |
|---------------------------|-----------------------------------|

#### 9.2 Other information

Information with regard to physical hazard classes

there is no additional information

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". Substance or mixture corrosive to metals.

#### 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.

### 10.5 Incompatible materials

There is no additional information.

### 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 hazard classes as defined in Regulation (EC) No 1272/2008

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

##### Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed.

| Name of substance                     | CAS No     | Exposure route | End-point | Value                 | Species |
|---------------------------------------|------------|----------------|-----------|-----------------------|---------|
| Aluminium sulphate, hexadecahydrate   | 16828-11-8 | oral           | LD50      | >2,000 – <5,000 mg/kg | rat     |
| Aluminium sulphate, hexadecahydrate   | 16828-11-8 | oral           | LD50      | >9,000 mg/kg          | rat     |
| Aluminium sulphate, hexadecahydrate   | 16828-11-8 | dermal         | LD50      | >5,000 mg/kg          | rabbit  |
| Lanthanum(III) chloride, heptahydrate | 10025-84-0 | oral           | LD50      | 2,621 mg/kg           | rat     |
| Lanthanum(III) chloride, heptahydrate | 10025-84-0 | dermal         | LD50      | >1,638 mg/kg          | rabbit  |

##### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

##### Serious eye damage/eye irritation

Causes serious eye damage.

##### Respiratory or skin sensitisation

Contains Lanthanum(III) chloride, heptahydrate. May produce an allergic reaction.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

##### 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

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

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

### 11.2 Information on other hazards

There is no additional information.

## 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

Data are not available.

### 12.6 Endocrine disrupting properties

None of the ingredients are listed.

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste treatment-relevant information

Recycling/reclamation of other inorganic materials.

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

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Other disposal recommendations

Dispose of contents/container to hazardous or special waste collection point. Waste treatment of containers/packagings: Mixed municipal waste.

### Relevant provisions relating to waste

List of wastes (EU), Decision 2000/532/EC on the list of waste

Product Code/ Type of waste: 19 09 99

### 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** not subject to transport regulations
- 14.2 UN proper shipping name** not relevant
- 14.3 Transport hazard class(es)** none
- 14.4 Packing group** not assigned
- 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

#### Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

Not subject to ADR, RID and ADN.

#### International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

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

Not subject to ICAO-IATA.

### SECTION 15: Regulatory information

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

##### Relevant provisions of the European Union (EU)

##### Restrictions according to REACH, Annex XVII

| No | Name of substance                     | CAS No | Type of registration    |
|----|---------------------------------------|--------|-------------------------|
| 75 | Lanthanum(III) chloride, heptahydrate |        | 2020/2081/EC annex XVII |
| 75 | Aluminium sulphate, hexadecahydrate   |        | 2020/2081/EC annex XVII |

##### List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

##### Seveso Directive

| No | Dangerous substance/hazard categories |
|----|---------------------------------------|
|    | not assigned                          |

##### Deco-Paint Directive

|             |     |
|-------------|-----|
| VOC content | 0 % |
|-------------|-----|

##### Industrial Emissions Directive (IED)

|             |     |
|-------------|-----|
| VOC content | 0 % |
|-------------|-----|

### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

None of the ingredients are listed.

### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

### Water Framework Directive (WFD)

#### List of pollutants (WFD)

| Name of substance                     | CAS No | Listed in | Remarks |
|---------------------------------------|--------|-----------|---------|
| Lanthanum(III) chloride, heptahydrate |        | A)        |         |
| Aluminium sulphate, hexadecahydrate   |        | A)        |         |

#### Legend

A) Indicative list of the main pollutants

### Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value)  | Actual entry (text/value)  | Safety-relevant |
|---------|--|--|-----------------|
| 1.3     | Details of the supplier of the safety data sheet:<br>Steinbach International GmbH<br>L. Steinbach Platz 1<br>43111 Schwertberg<br>Austria<br>Telephone: +43 7262 61431<br>e-Mail: info@steinbach-group.com<br>e-Mail (competent person): sdb@steinbach-group.com   | Details of the supplier of the safety data sheet:<br>Steinbach International GmbH<br>L. Steinbach Platz 1<br>43111 Schwertberg<br>Austria<br>Telephone: +43 7262 61431 1000<br>e-Mail: info@steinbach-group.com<br>e-Mail (competent person): sdb@steinbach-group.com  | yes             |
| 2.3     | Other hazards  | Other hazards:<br>Of no significance   | yes             |
| 2.3     | Results of PBT and vPvB assessment:<br>This mixture does not contain any substances that are assessed to be a PBT or a vPvB.   |  | yes             |
| 3.2     |  | Description of the mixture:<br>change in the listing (table)   | yes             |
| 3.2     |  | Description of the mixture:<br>change in the listing (table)   | yes             |
| 4.1     | General notes:<br>Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Take off immediately all contaminated clothing. In case of unconsciousness place person in the recovery position. Never give anything by mouth. | General notes:<br>Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Take off immediately all contaminated clothing. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Self-protection of the first aider. | yes             |
| 4.1     | Following skin contact:<br>Rinse skin with water/shower.   |  | yes             |
| 8.2     | - Eye/face protection:<br>Use safety goggle with side protection (EN 166).   |  | yes             |

## Flock cartridge Premium

Version number: GHS 5.0 (2021-10-22)

Replaces version: GHS 4 (2020-11-11)

| Section | Former entry (text/value)  | Actual entry (text/value)  | Safety-relevant |
|---------|--|--|-----------------|
| 8.2     |  | - Eye/face protection:<br>Use safety goggle with side protection (EN 166).   | yes             |
| 8.2     | Hand protection:<br>Wear protective gloves.  |  | yes             |
| 8.2     | Type of material:<br>PVC: polyvinyl chloride, NR: natural rubber, latex  |  | yes             |
| 8.2     |  | - Hand protection:<br>Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. | yes             |
| 8.2     |  | Type of material:<br>PVC: polyvinyl chloride, NR: natural rubber, latex  | yes             |
| 8.2     | - Other protection measures:<br>Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling. | - Other protection measures:<br>Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.   | yes             |
| 8.2     | Respiratory protection:<br>Particulate filter device (EN 143)  | Respiratory protection:<br>Particulate filter device (EN 143).<br>In case of inadequate ventilation wear respiratory protection: Full face mask (DIN EN 136).  | yes             |
| 9.1     |  | Lower and upper explosion limit:<br>not determined   | yes             |
| 9.1     | Evaporation rate:<br>not determined  |  | yes             |
| 9.1     | Explosion limits of dust clouds:<br>not determined   |  | yes             |
| 9.1     | pH (value):<br>2.5 – 4 (water: 20 mg/cm <sup>3</sup> , 20 °C)  | pH (value):<br>2.5 – 4 (in aqueous solution: 20 mg/cm <sup>3</sup> , 20 °C)  | yes             |
| 9.1     |  | Kinematic viscosity:<br>not relevant   | yes             |
| 9.1     |  | Particle characteristics:<br>no data available   | yes             |
| 9.1     |  | Oxidising properties:<br>none  | yes             |
| 9.1     |  | Vapour pressure  | yes             |
| 9.1     |  | Density and/or relative density  | yes             |
| 9.1     | Vapour density:<br>this information is not available   |  | yes             |
| 9.1     | Viscosity:<br>not relevant (solid matter)  |  | yes             |
| 9.1     | Explosive properties:<br>none  |  | yes             |
| 9.1     | Oxidising properties:<br>none  |  | yes             |
| 9.1     |  | Relative vapour density:<br>information on this property is not available  | yes             |
| 9.2     | Other information:<br>There is no additional information.  | Other information  | yes             |
| 9.2     |  | Information with regard to physical hazard classes:<br>there is no additional information  | yes             |
| 9.2     |  | Other safety characteristics:<br>there is no additional information  | yes             |

## Flock cartridge Premium

Version number: GHS 5.0 (2021-10-22)

Replaces version: GHS 4 (2020-11-11)

| Section | Former entry (text/value)  | Actual entry (text/value)  | Safety-relevant |
|---------|--|--|-----------------|
| 11.2    |  | Information on other hazards:<br>There is no additional information.   | yes             |
| 12.7    | Other adverse effects  | Other adverse effects:<br>Data are not available.  | yes             |
| 14.4    | Packing group:<br>not assigned to a packing group  | Packing group:<br>not assigned   | yes             |
| 15.1    | Restrictions according to REACH, Annex XVII:<br>None of the ingredients are listed.  | Restrictions according to REACH, Annex XVII  | yes             |
| 15.1    |  | Restrictions according to REACH, Annex XVII:<br>change in the listing (table)  | yes             |
| 15.1    |  | Regulation on persistent organic pollutants (POP):<br>None of the ingredients are listed.  | yes             |
| 16      |  | Abbreviations and acronyms:<br>change in the listing (table)   | yes             |
| 16      | Key literature references and sources for data:<br>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA). | Key literature references and sources for data:<br>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA). | yes             |

### Abbreviations and acronyms

| Abbr.           | Descriptions of used abbreviations  |
|-----------------|---|
| ADN             | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR             | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)   |
| Aquatic Chronic | hazardous to the aquatic environment - chronic hazard   |
| ATE             | Acute Toxicity Estimate   |
| CAS             | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)  |
| Ceiling-C       | ceiling value   |
| CLP             | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  |
| DGR             | Dangerous Goods Regulations (see IATA/DGR)  |
| DNEL            | Derived No-Effect Level   |
| EC No           | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)                                     |
| EH40/2005       | EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )                                 |
| EINECS          | European Inventory of Existing Commercial Chemical Substances   |
| ELINCS          | European List of Notified Chemical Substances   |
| Eye Dam.        | seriously damaging to the eye   |
| Eye Irrit.      | irritant to the eye   |
| 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   |
| IMDG            | International Maritime Dangerous Goods Code   |
| index No        | the Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008  |
| LD50            | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval  |
| Met. Corr.      | substance or mixture corrosive to metals  |
| NLP             | No-Longer Polymer   |
| PBT             | Persistent, Bioaccumulative and Toxic   |
| PNEC            | Predicted No-Effect Concentration   |
| ppm             | parts per million   |
| REACH           | Registration, Evaluation, Authorisation and Restriction of Chemicals  |
| RID             | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)   |
| Skin Sens.      | skin sensitisation  |
| STEL            | short-term exposure limit   |
| SVHC            | Substance of Very High Concern  |
| TWA             | time-weighted average   |
| VOC             | Volatile Organic Compounds  |
| vPvB            | very Persistent and very Bioaccumulative  |
| WEL             | workplace exposure limit  |

## Flock cartridge Premium

Version number: GHS 5.0 (2021-10-22)

Replaces version: GHS 4 (2020-11-11)

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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

| Code | Text   |
|------|--|
| H290 | May be corrosive to metals.                      |
| H317 | May cause an allergic skin reaction.             |
| H318 | Causes serious eye damage.                       |
| H411 | Toxic to aquatic life with long lasting effects. |

### Disclaimer

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