

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

| | |
|---------------------------------|--------------------------|
| Trade name | FLM230 A omniflow |
| Registration number (REACH) | not relevant (mixture) |
| Unique formula identifier (UFI) | CC00-T0DM-000T-AAA4 |

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

| | |
|--------------------------|---|
| Relevant identified uses | Construction Leveling mortar Professional use |
|--------------------------|---|

1.3 Details of the supplier of the safety data sheet

Omnicol Flooring BV
Hambakenwetering 8D-3
5231 DC 'S Hertogenbosch
Netherlands

Telephone: +31 073 599 29 25
e-mail: info@omnicolflooring.eu
Website: www.omnicolflooring.eu

1.4 Emergency telephone number

| Poison centre | | |
|---------------|--|-----------------|
| Country | Name | Telephone |
| Netherlands | Nationaal Vergiftigingen Informatie Centrum (UMC Utrecht) Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen | +31 88 755 8000 |

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 |
|---------|---|----------|---------------------------|------------------|
| 3.2 | skin corrosion/irritation | 2 | Skin Irrit. 2 | H315 |
| 3.3 | serious eye damage/eye irritation | 1 | Eye Dam. 1 | H318 |
| 3.4S | skin sensitisation | 1 | Skin Sens. 1 | H317 |
| 3.8R | specific target organ toxicity - single exposure (respiratory tract irritation) | 3 | STOT SE 3 | H335 |

For full text of H-phrases: see SECTION 16

2.2 Label elements

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

- signal word Danger
- pictograms
- GHS05, GHS07



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

- hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

- precautionary statements

P261 Avoid breathing dust.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

- hazardous ingredients for labelling

Contains: Portland Cement; Flue dust, portland cement.

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

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





SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms | Notes |
|----------------------------|--|-----------|---|---|-------|
| Portland Cement | CAS No 65997-15-1 EC No 266-043-4 REACH Reg. No Exempt | 10 – < 25 | Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1B / H317 STOT SE 3 / H335 |   | |
| Flue dust, portland cement | CAS No 68475-76-3 EC No 270-659-9 REACH Reg. No 01-2119486767-17-xxxx | < 2,5 | Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1 / H317 STOT SE 3 / H335 |   | |

Remarks

All the percentages given are percentages by weight unless stated otherwise. For full text of H-phrases: see SECTION 16.

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

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. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following skin contact

Brush off loose particles from skin. Rinse skin with water/shower. Wash with plenty of soap and water. Call a POISON CENTER/doctor.

Following eye contact

Do not rub the eyes. Mechanical stress can cause damage to the cornea. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

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

For specialist advice physicians should contact the poison centre.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water; Foam; Dry extinguishing powder; ABC-powder;
Co-ordinate firefighting measures to the fire surroundings.

Unsuitable extinguishing media

Water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

During fire hazardous fumes/smoke could be produced. 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.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Control of dust.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

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.

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.

- specific notes/details

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

- handling of incompatible substances or mixtures

Do not mix with acids.

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.

- flammability hazards

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

Consideration of other advice

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

- ventilation requirements

Use local and general ventilation.

- packaging compatibilities

Keep only in original container.

7.3 Specific end use(s)

There is no additional information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

| Occupational exposure limit values (Workplace Exposure Limits) | | | | | | | | | |
|--|------------------------------|------------|------------|-----------|--------------------------|------------|---------------------------|----------|--------------|
| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m ³] | STEL [ppm] | STEL [mg/m ³] | Notation | Source |
| EU | crystalline silica | 14808-60-7 | IOELV | | 0,1 | | | dust, r | 2017/2398/EU |
| NL | silica, crystalline - quartz | 14808-60-7 | GW | | 0,075 | | | r, dust | SC-SZW |

Notation

dust as dust

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)

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/DMELs/PNECs and other threshold levels

| 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 |
| Flue dust, portland cement | 68475-76-3 | DNEL | 0,84 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| Flue dust, portland cement | 68475-76-3 | DNEL | 4 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |
| Flue dust, portland cement | 68475-76-3 | DNEL | 0,84 mg/m ³ | human, inhalatory | consumer (private households) | chronic - local effects |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

| Relevant PNECs of components | | | | | | |
|------------------------------|------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| Flue dust, portland cement | 68475-76-3 | PNEC | 282 µg/l | aquatic organisms | water | intermittent release |
| Flue dust, portland cement | 68475-76-3 | PNEC | 282 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| Flue dust, portland cement | 68475-76-3 | PNEC | 28 µg/l | aquatic organisms | marine water | short-term (single instance) |
| Flue dust, portland cement | 68475-76-3 | PNEC | 6 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Flue dust, portland cement | 68475-76-3 | PNEC | 875 µg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Flue dust, portland cement | 68475-76-3 | PNEC | 88 µg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Flue dust, portland cement | 68475-76-3 | PNEC | 5 mg/kg | terrestrial organisms | soil | short-term (single instance) |

8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

Individual protection measures (personal protective equipment)

Eye/face protection



Use safety goggle with side protection (EN 166).

Skin protection



Protective clothing (EN 340 & EN ISO 13688).

Hand protection



Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- type of material

CR: chloroprene (chlorobutadiene) rubber, Nitrile rubber, Butyl rubber

- material thickness

Use gloves with a minimum material thickness: ≥ 0,38 mm.

- breakthrough time of the glove material

Use gloves with a minimum breakthrough time of the glove material: >480 minutes (permeation: level 6).

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140). P2 (filters at least 94 % of airborne particles, colour code: White). Type: ABEK-P2 (combined filters against gases, vapours and particles, colour code: Brown/Grey/Yellow/Green/White).

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. 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 (powder) |
| Colour | grey |
| Odour | odourless |
| Melting point/freezing point | not determined |
| Boiling point or initial boiling point and boiling range | not determined |
| Flammability | non-combustible |
| Lower and upper explosion limit | LEL: UEL: not relevant |
| Flash point | not applicable |
| Auto-ignition temperature | >400 °C (relative self-ignition temperature for solids) calculated value, referring to a component of the mixture |
| Decomposition temperature | no data available |
| pH (value) | 12 – 13 (base) |
| Kinematic viscosity | not relevant |
| Solubility | not determined |

| | |
|---|-----------------------------------|
| 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 |
|--------------------------|-------------------|

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

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

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

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.

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.

10.5 Incompatible materials

Acids. 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 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.

| Acute toxicity of components | | | | | |
|------------------------------|------------|---------------------------|----------|---------------|---------|
| Name of substance | CAS No | Exposure route | Endpoint | Value | Species |
| Flue dust, portland cement | 68475-76-3 | oral | LD50 | >1.848 mg/kg | rat |
| Flue dust, portland cement | 68475-76-3 | inhalation: dust/ mist | LC50 | >6,04 mg/l/4h | rat |
| Flue dust, portland cement | 68475-76-3 | dermal | LD50 | ≥2.000 mg/kg | rat |

Skin corrosion/irritation

Causes skin irritation.

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin 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.

Summary of evaluation of the CMR properties

The product contains substances that are listed on the "SZW-lijst van kankerverwekkende, mutagene en voor de voortplanting giftige stoffen".

Specific target organ toxicity - single exposure

May cause respiratory irritation.

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

Endocrine disrupting properties

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

Other information

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

| Aquatic toxicity (acute) of components of the mixture | | | | | |
|---|------------|----------|-----------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| Flue dust, portland cement | 68475-76-3 | ErC50 | 22,4 mg/l | algae | 72 h |
| Flue dust, portland cement | 68475-76-3 | NOEC | 11,1 mg/l | fish | 96 h |
| Flue dust, portland cement | 68475-76-3 | NOELR | 50 mg/l | aquatic invertebrates | 48 h |

| Aquatic toxicity (chronic) of components of the mixture | | | | | |
|---|------------|----------|----------|----------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| Flue dust, portland cement | 68475-76-3 | EC50 | 743 mg/l | microorganisms | 3 h |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

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

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at 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.

Waste treatment of containers/packagings

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

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

No data available.

Additional information for each of the UN Model Regulations

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

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) - additional information

Not subject to IMDG.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

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

| Name | Name acc. to inventory | No |
|----------------------------|---|----|
| Portland Cement | chromium(VI) compounds | 47 |
| Portland Cement | substances in tattoo inks and permanent make-up | 75 |
| Flue dust, portland cement | chromium(VI) compounds | 47 |
| Flue dust, portland cement | substances in tattoo inks and permanent make-up | 75 |

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

None of the ingredients are listed.

Seveso Directive

| 2012/18/EU (Seveso III) | | | |
|-------------------------|---------------------------------------|---|-------|
| No | Dangerous substance/hazard categories | Qualifying quantity (tonnes) for the application of lower and upper-tier requirements | Notes |
| | not assigned | | |

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

None of the ingredients are listed.

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

None of the ingredients are listed.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

National regulations (Netherlands)

List of Substances of Very High Concern, Rijksinstituut voor Volksgezondheid en Milieu (RIVM)

| List of Substances of Very High Concern (ZZS-lijst) | | | | | |
|--|------------|------------------------------|--------------------|---------------------|----------------------|
| Name acc. to inventory | CAS No | Dust class for air emissions | Remarks | Threshold mass flow | Emission limit value |
| Distillates (petroleum), hydro-treated heavy naphthenic, Baseoil - unspecified | 64742-52-5 | | rem-114 rem-121 | | |

Legend

rem-114

De meeste aardolie- en steenkool derivaten zijn niet als ZZS opgenomen in bijlage 12a van de Activiteitenregeling milieubeheer. Alleen als deze producten minder dan 0,1% aan ZZS componenten bevatten, kan stofklasse gO.2 worden aangehouden. Als er meer dan 0,1% ZZS componenten aanwezig zijn, moet het product als ZZS worden beschouwd. Bij de aanwezigheid van vluchtige ZZS-componenten adviseren we de stofklasse MVP 2 te hanteren; bij de aanwezigheid van niet-vluchtige ZZS-componenten adviseren we de stofklasse MVP 1 te hanteren. Voor meer gedetailleerde criteria voor stoffen en mengsels met een ZZS-component zie: rvm.nl/stoffenlijsten/Zeet-Zorgwekkende-Stoffen/ZZS-in-mengsels. Advies voor vergunningverlening voor mengsels en stoffen met ZZS-bestanddelen wordt gegeven op de website van het IPLO: <https://iplo.nl/thema/zeet-zorgwekkende-stoffen-zzs/mengsels>

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

Legend

rem-121 zzs/
De stof hoeft volgens CLP niet als kankerverwekkend te worden ingedeeld als kan worden aangetoond dat zij minder dan 3 % Dmso-extract bevat, gemeten volgens IP 346 „Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method”, Institute of Petroleum, Londen. De stof kan dan echter toch een ZZS zijn. Andere componenten erin kunnen bijvoorbeeld schadelijk zijn voor de voortplanting of PBT (Persistent, Bioaccumulerend én Toxisch) zijn. Om te concluderen dat de stof geen ZZS is moet duidelijk zijn dat het geen van deze componenten bevat.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Complete revision of the safety data sheet.

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|--------------|---|
| 2017/2398/EU | Directive of the European Parliament and of the Council amending Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work |
| 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) |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| CMR | Carcinogenic, Mutagenic or toxic for Reproduction |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |
| EC50 | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| 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) |
| ED | Endocrine disruptor |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| ErC50 | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control |
| 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 |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

| Abbr. | Descriptions of used abbreviations |
|-------------|---|
| 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 |
| IOELV | Indicative occupational exposure limit value |
| LC50 | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| LD50 | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval |
| LEL | Lower explosion limit (LEL) |
| NLP | No-Longer Polymer |
| NOEC | No Observed Effect Concentration |
| NOELR | No Observed Effect Loading Rate |
| 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) |
| SC-SZW | Staatscourant: Regeling van de Minister van Sociale Zaken en Werkgelegenheid tot wijziging van de Arbeidsomstandighedenregeling |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| Skin Sens. | Skin sensitisation |
| STEL | Short-term exposure limit |
| STOT SE | Specific target organ toxicity - single exposure |
| SVHC | Substance of Very High Concern |
| TWA | Time-weighted average |
| UEL | Upper explosion limit (UEL) |
| vPvB | Very Persistent and very Bioaccumulative |

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).



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 A omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 09.04.2024

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

| Code | Text |
|------|--------------------------------------|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |

Disclaimer

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

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

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

1.1 Product identifier

| | |
|---------------------------------|--------------------------|
| Trade name | FLM230 B omniflow |
| Registration number (REACH) | not relevant (mixture) |
| Unique formula identifier (UFI) | FS00-A0UK-J009-N17F |

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

| | |
|--------------------------|---|
| Relevant identified uses | Construction Component for FLM230 A omniflow Professional use |
|--------------------------|---|

1.3 Details of the supplier of the safety data sheet

Omnicol Flooring BV
Hambakenwetering 8D-3
5231 DC 'S Hertogenbosch
Netherlands

Telephone: +31 073 599 29 25
e-mail: info@omnicolflooring.eu
Website: www.omnicolflooring.eu

1.4 Emergency telephone number

| Poison centre | | |
|---------------|--|-----------------|
| Country | Name | Telephone |
| Netherlands | Nationaal Vergiftigingen Informatie Centrum (UMC Utrecht) Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen | +31 88 755 8000 |

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

| Code | Supplemental hazard information |
|--------|--|
| EUH208 | contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction |
| EUH210 | safety data sheet available on request |

2.2 Label elements

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

- signal word Not required.

- pictograms Not required.

- supplemental hazard information

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

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



SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms | Notes |
|---|--|--------|--|---|-------------|
| 1,2-benzisothiazol-3(2H)-one | CAS No 2634-33-5 EC No 220-120-9 Index No 613-088-00-6 REACH Reg. No 01-2120761540-60-xxxx | < 0,1 | Acute Tox. 4 / H302 Acute Tox. 2 / H330 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1A / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410 |  | GHS-HC |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | CAS No 55965-84-9 EC No 911-418-6 Index No 613-167-00-5 REACH Reg. No 01-2120764691-48-xxxx | < 0,01 | Acute Tox. 3 / H301 Acute Tox. 2 / H310 Acute Tox. 2 / H330 Skin Corr. 1C / H314 Eye Dam. 1 / H318 Skin Sens. 1A / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410 EUH071 |  | B GHS-HC |

Notes

B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)

| Name of substance | Identifier | Specific Conc. Limits | M-Factors | ATE | Exposure route |
|---|--|--|--|--|--|
| 1,2-benzisothiazol-3(2H)-one | CAS No 2634-33-5 EC No 220-120-9 | Skin Sens. 1A; H317: $C \geq 0,036\%$ | M-factor (acute) = 1 M-factor (chronic) = 1 | 450 mg/kg 0,21 mg/l/4h | oral inhalation: dust/mist |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | CAS No 55965-84-9 EC No 911-418-6 | Skin Corr. 1C; H314: $C \geq 0,6\%$ Skin Irrit. 2; H315: $0,06\% \leq C < 0,6\%$ Eye Dam. 1; H318: $C \geq 0,6\%$ Eye Irrit. 2; H319: $0,06\% \leq C < 0,6\%$ Skin Sens. 1A; H317: $C \geq 0,0015\%$ | M-factor (acute) = 100 M-factor (chronic) = 100 | 100 mg/kg 50 mg/kg 0,5 mg/l/4h 0,05 mg/l/4h | oral dermal inhalation: vapour inhalation: dust/mist |

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

Remarks

All the percentages given are percentages by weight unless stated otherwise. For full text of H-phrases: 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. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following skin contact

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion

Rinse mouth with water (only if the person is conscious). Call a doctor if you feel unwell.

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

For specialist advice physicians should contact the poison centre.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray; Dry extinguishing powder; Carbon dioxide (CO₂);
Co-ordinate firefighting measures to the fire surroundings.

Unsuitable extinguishing media

Water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

During fire hazardous fumes/smoke could be produced.

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.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

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. Use personal protective equipment as required.

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

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.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece).

Appropriate containment techniques

Use of adsorbent materials.

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. Use only in well-ventilated areas.

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

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight. Frost.

Consideration of other advice

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

- packaging compatibilities

Keep only in original container.

7.3 Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****National limit values**

No information available.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

Relevant DNELs/DMELs/PNECs and other threshold levels

| 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 |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | DNEL | 6,81 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | DNEL | 0,966 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | DNEL | 1,2 mg/m ³ | human, inhalatory | consumer (private households) | chronic - systemic effects |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | DNEL | 0,345 mg/kg bw/day | human, dermal | consumer (private households) | chronic - systemic effects |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | DNEL | 0,02 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | DNEL | 0,04 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | DNEL | 0,02 mg/m ³ | human, inhalatory | consumer (private households) | chronic - local effects |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | DNEL | 0,04 mg/m ³ | human, inhalatory | consumer (private households) | acute - local effects |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | DNEL | 0,09 mg/kg bw/day | human, oral | consumer (private households) | chronic - systemic effects |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | DNEL | 0,11 mg/kg bw/day | human, oral | consumer (private households) | acute - systemic effects |

| Relevant PNECs of components | | | | | | |
|------------------------------|-----------|-----------|-----------------|-------------------|------------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | PNEC | 4,03 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | PNEC | 0,403 µg/l | aquatic organisms | marine water | short-term (single instance) |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | PNEC | 1,03 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

| Relevant PNECs of components | | | | | | |
|---|------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | PNEC | 49,9 µg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | PNEC | 4,99 µg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | PNEC | 3 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC | 3,39 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC | 3,39 µg/l | aquatic organisms | marine water | short-term (single instance) |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC | 0,23 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC | 0,027 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC | 0,027 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | PNEC | 0,01 mg/kg | terrestrial organisms | soil | short-term (single instance) |

8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

Individual protection measures (personal protective equipment)

Eye/face protection



Use safety goggle with side protection (EN 166).

Skin protection



Protective clothing (EN 340 & EN ISO 13688).

Hand protection



Wear suitable gloves. Check leak-tightness/impermeability prior to use. 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. Chemical protection gloves are suitable, which are tested according to EN 374. The selection of the suitable gloves does not only depend on the ma-

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

terial, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- type of material

CR: chloroprene (chlorobutadiene) rubber, Nitrile rubber, Butyl rubber

- breakthrough time of the glove material

Use gloves with a minimum breakthrough time of the glove material: >10 minutes (permeation: level 1).

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140).

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. 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 | liquid |
| Colour | white |
| Odour | characteristic |
| Melting point/freezing point | 0 °C calculated value, referring to a component of the mixture |
| Boiling point or initial boiling point and boiling range | 100 °C calculated value, referring to a component of the mixture |
| Flammability | non-combustible |
| Lower and upper explosion limit | LEL: UEL: not determined |
| Flash point | not applicable |
| Auto-ignition temperature | not relevant |
| Decomposition temperature | no data available |
| pH (value) | 7 |
| Kinematic viscosity | not determined |
| Solubility | not determined |

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

| | |
|-----------------|---|
| Vapour pressure | 2,3 kPa at 20 °C calculated value, referring to a component of the mixture |
|-----------------|---|

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

Density and/or relative density

| | |
|-------------------------|---|
| Density | 1,01 g/cm ³ |
| Relative vapour density | information on this property is not available |

| | |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

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

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

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

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 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)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

Acute toxicity

Shall not be classified as acutely toxic.

| Acute toxicity estimate (ATE) of components | | | |
|---|------------|-----------------------|--------------|
| Name of substance | CAS No | Exposure route | ATE |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | oral | 450 mg/kg |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | inhalation: dust/mist | 0,21 mg/l/4h |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | oral | 100 mg/kg |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3- | 55965-84-9 | dermal | 50 mg/kg |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

| Acute toxicity estimate (ATE) of components | | | |
|---|------------|-----------------------|--------------|
| Name of substance | CAS No | Exposure route | ATE |
| one and 2-methyl-2H-isothiazol-3-one (3:1) | | | |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | inhalation: vapour | 0,5 mg/l/4h |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | inhalation: dust/mist | 0,05 mg/l/4h |

| Acute toxicity of components | | | | | |
|---|------------|-----------------------|----------|--------------|---------|
| Name of substance | CAS No | Exposure route | Endpoint | Value | Species |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | oral | LD50 | 670 mg/kg | rat |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | dermal | LD50 | >2.000 mg/kg | rat |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | oral | LD50 | 457 mg/kg | rat |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | inhalation: dust/mist | LC50 | 2,36 mg/l/4h | rat |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | dermal | LD50 | 660 mg/kg | rabbit |

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

Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. 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

Endocrine disrupting properties

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

Other information

There is no additional information.

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

| Aquatic toxicity (acute) of components of the mixture | | | | | |
|---|------------|----------|-----------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | LC50 | 16,7 mg/l | fish | 96 h |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | EC50 | 2,94 mg/l | aquatic invertebrates | 48 h |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | ErC50 | 150 µg/l | algae | 72 h |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | NOEC | 55 µg/l | algae | 72 h |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | LC50 | 0,19 mg/l | fish | 96 h |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | EC50 | 0,16 mg/l | aquatic invertebrates | 48 h |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | ErC50 | 19,9 µg/l | algae | 72 h |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | NOEC | 0,13 mg/l | fish | 96 h |

| Aquatic toxicity (chronic) of components of the mixture | | | | | |
|---|------------|----------|------------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | EC50 | 13 mg/l | microorganisms | 3 h |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | NOEC | 11 mg/l | microorganisms | 3 h |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | LC50 | 0,07 mg/l | fish | 14 d |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | EC50 | >0,18 mg/l | aquatic invertebrates | 21 d |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | ErC50 | 45,6 µg/l | algae | 120 h |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | NOEC | ≥46,4 µg/l | fish | 35 d |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | LOEL | 0,06 mg/l | fish | 36 d |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | LOEC | 0,144 mg/l | fish | 28 d |

12.2 Persistence and degradability

Data are not available.

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

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

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at 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.

Waste treatment of containers/packages

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

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

No data available.

Additional information for each of the UN Model Regulations

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

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.

FLM230 B omniflowVersion number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

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**

| Name | Name acc. to inventory | No |
|---|--|----|
| 1,2-benzisothiazol-3(2H)-one | substances in tattoo inks and permanent make-up | 75 |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC | 3 |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | substances in tattoo inks and permanent make-up | 75 |

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

None of the ingredients are listed.

Seveso Directive

| 2012/18/EU (Seveso III) | | | |
|-------------------------|---------------------------------------|---|-------|
| No | Dangerous substance/hazard categories | Qualifying quantity (tonnes) for the application of lower and upper-tier requirements | Notes |
| | not assigned | | |

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 | Name acc. to inventory | CAS No | Listed in | Remarks |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | Organohalogen compounds and substances which may form such compounds in the aquatic environment | | a) | |

Legend

a) Indicative list of the main pollutants

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

None of the ingredients are listed.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

National regulations (Netherlands)**SZW-lijst CMR effects**

None of the ingredients are listed.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Complete revision of the safety data sheet.

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|-----------------|---|
| Acute Tox. | Acute toxicity |
| 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 Acute | Hazardous to the aquatic environment - acute hazard |
| 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) |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| CMR | Carcinogenic, Mutagenic or toxic for Reproduction |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |
| EC50 | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| 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) |
| ED | Endocrine disruptor |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| ErC50 | = EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control |
| 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 |
| LC50 | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| LD50 | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval |
| LEL | Lower explosion limit (LEL) |
| LOEC | Lowest Observed Effect Concentration |

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

FLM230 B omniflow

Version number: 2.0
Replaces version of: 28.09.2022 (1)

Revision: 02.12.2024

| Abbr. | Descriptions of used abbreviations |
|-------------|--|
| LOEL | Lowest Observed Effect Level |
| M-factor | Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present |
| NLP | No-Longer Polymer |
| NOEC | No Observed Effect Concentration |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| 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 Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| Skin Sens. | Skin sensitisation |
| SVHC | Substance of Very High Concern |
| UEL | Upper explosion limit (UEL) |
| vPvB | Very Persistent and very Bioaccumulative |

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 |
|------|---|
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very 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.