



BE SURE. BUILD SURE.

Page 1/8

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 23.02.2024

Version number 24


Revision: 23.02.2024

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

- **Product identifier**
- **Trade name** **Nafuflex GIP**
- **Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Construction chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** MC-Bauchemie Müller GmbH & Co. KG
Am Kruppwald 1-8
D-46238 Bottrop
Tel.: +49(0)2041-101-0
Fax.: +49(0)2041-101-400
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG
Hagackerstr. 10
CH-8953 Dietikon
Tel.: +44-7400510
Fax : +44-7400533
- **Informing department:** msds@mc-bauchemie.de

2 Hazards identification

- **Classification of the substance or mixture**
Skin Irrit. 2 H315 Causes skin irritation.
Serious eye damage/irritation – Category 2A H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:** Silicic acid, sodium salt, molar ratio SiO₂/Na₂O >3.2
- **Hazard statements** Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
- **Precautionary statements** Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves / eye protection / face protection.

(Contd. on page 2)

AE

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.02.2024

Version number 24

Revision: 23.02.2024

Trade name Nafuflex GIP

(Contd. of page 1)

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

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

Call a POISON CENTER/doctor if you feel unwell.

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

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterisation: Mixtures**

· **Description:** Mixture consisting of the following components.

· **Dangerous components:**

| | | |
|----------------|---|----------|
| CAS: 1344-09-8 | Silicic acid, sodium salt, molar ratio SiO ₂ /Na ₂ O >3.2 | ≥20-≤30% |
| | Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 | |

4 First aid measures

· **Description of first aid measures**

· **After inhalation** Void

· **After skin contact** Instantly wash with water and soap and rinse thoroughly.

· **After eye contact** Rinse opened eye for several minutes under running water.

Seek medical treatment.

· **After swallowing** Rinse out mouth and then drink plenty of water.

Seek medical treatment.

5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents** Void

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:** No special measures required.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.

(Contd. on page 3)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 23.02.2024

Version number 24

Revision: 23.02.2024

Trade name Nafuflex GIP

- (Contd. of page 2)
- **Environmental precautions:** Prevent material from reaching sewage system, holes and cellars.
Dilute with much water.
 - **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - **Reference to other sections** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class** 12

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with critical values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNELs

CAS: 1344-09-8 Silicic acid, sodium salt, molar ratio SiO₂/Na₂O >3.2

| | | |
|------------|------|------------------------------|
| Oral | DNEL | 0.8 mg/kg bw/Tag (ArL) |
| Dermal | DNEL | 1.59 mg/kg bw/day (ArL) |
| Inhalative | DNEL | 5.61 mg/m ³ (ArL) |

· PNECs

CAS: 1344-09-8 Silicic acid, sodium salt, molar ratio SiO₂/Na₂O >3.2

| | |
|------|-----------------------|
| PNEC | 348 mg/l (Kla) |
| | 1 mg/l (Mew) |
| | 7.5 mg/l (Freshwater) |

(Contd. on page 4)



BE SURE. BUILD SURE.

Page 4/8

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 23.02.2024

Version number 24

Revision: 23.02.2024

Trade name Nafuflex GIP

(Contd. of page 3)

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:** Alkaline resistant gloves
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material** -
- **Eye protection:** Not required.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

| | |
|---------|-----------|
| Form: | Fluid |
| Colour: | Blue |
| Smell: | Odourless |

| | |
|-----------|-----------------------------|
| pH-value: | Alkaline Not determined. |
|-----------|-----------------------------|

· Change in condition

| | |
|--|----------------|
| Melting point/freezing point: | Not determined |
| Initial boiling point and boiling range: | 100 °C |

| | |
|--------------|----------------|
| Flash point: | Not applicable |
|--------------|----------------|

| | |
|----------------------|------------------------------|
| Self-inflammability: | Product is not selfigniting. |
|----------------------|------------------------------|

| | |
|-----------------------|---------------------------|
| Explosive properties: | Product is not explosive. |
|-----------------------|---------------------------|

| | |
|--------------------------|--------|
| Steam pressure at 20 °C: | 23 hPa |
|--------------------------|--------|

| | |
|------------------|------------------------|
| Density at 20 °C | 1.19 g/cm ³ |
|------------------|------------------------|

| | |
|---|----------------|
| Solubility in / Miscibility with Water: | Fully miscible |
|---|----------------|

| | |
|-------------------|-----------------|
| Viscosity: | |
| dynamic at 20 °C: | 100 mPas |
| kinematic: | Not determined. |

(Contd. on page 5)

AE

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 23.02.2024

Version number 24

Revision: 23.02.2024

Trade name Nafuflex GIP

(Contd. of page 4)

· **Other information**

No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values that are relevant for classification:**

CAS: 1344-09-8 Silicic acid, sodium salt, molar ratio SiO₂/Na₂O >3.2

| | | |
|--------|------|---------------------|
| Oral | LD50 | 3400 mg/kg (rat) |
| Dermal | LD50 | 4640 mg/kg (rabbit) |
| | | >5000 mg/kg (rat) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant for skin and mucous membranes.
- **Serious eye damage/irritation** Irritant effect.
- **Respiratory or skin sensitisation** No sensitizing effect known.
- **Additional toxicological information:** The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

AE

(Contd. on page 6)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 23.02.2024

Version number 24

Revision: 23.02.2024

Trade name Nafuflex GIP

(Contd. of page 5)

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

CAS: 1344-09-8 Silicic acid, sodium salt, molar ratio SiO₂/Na₂O >3.2

EC50/72h >345.4 mg/l (Desmodesmus subspicatus)

LC50/96h 1108 mg/l (Danio rerio)

260 mg/l (Oncorhynchus mykiss)

>100 mg/l (fish)

EC50 >100 mg/l (Bak)

>100 mg/l (algae)

>100 mg/l (Daphnien)

>100 mg/l (Daphnia magna)

EC50/48h 1700 mg/l (Daphnia magna)

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

· **Recommended cleaning agent:**

Water, if necessary with cleaning agent.

AE

(Contd. on page 7)

Safety data sheet according to 1907/2006/EC, Article 31

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Version number 24

Revision: 23.02.2024

Trade name Nafuflex GIP

(Contd. of page 6)

14 Transport information

| | |
|--|--|
| · UN-Number · ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name · ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Void |
| · Packing group · ADR, IMDG, IATA | Void |
| · Environmental hazards: · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | Void |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:** Environment protection department.
- **Contact:**
- **Abbreviations and acronyms:**
 - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 - ICAO: International Civil Aviation Organisation
 - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 8)



BE SURE. BUILD SURE.

Page 8/8

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 23.02.2024

Version number 24

Revision: 23.02.2024

Trade name Nafuflex GIP

(Contd. of page 7)

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· * **Data compared to the
previous version altered.**

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