

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.11.2022

Version number 1.05

Revision: 29.11.2022

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

- **Product identifier**

- Trade name: **PANTAQUICK SCA120 AFL**

- **Article number:** 0520/D

- **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:**

Ha-Be Middle East FZE

SAIF Zone | P.O. Box 9583 | Sharjah - UAE

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- **Further information obtainable from:** office.uae@ha-be.com

- **Emergency telephone number:** +971 6 557 28 30 (UAE)

## 2 Hazards identification

- **Classification of the substance or mixture**



corrosion

Met. Corr.1 H290 May be corrosive to metals.

Eye Dam. 1 H318 Causes serious eye damage.



Skin Irrit. 2 H315 Causes skin irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**



GHS05

- **Signal word** Danger

- **Hazard-determining components of labelling:**

aluminium sulphate

formic acid

- **Hazard statements**

May be corrosive to metals.

Causes skin irritation.

Causes serious eye damage.

- **Precautionary statements**

Keep only in original container.

Wash thoroughly after handling.

Wear eye protection / face protection.

IF ON SKIN: Wash with plenty of water.

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

Immediately call a POISON CENTER/doctor.

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Specific treatment (see on this label).  
 Take off contaminated clothing and wash it before reuse.  
 If skin irritation occurs: Get medical advice/attention.  
 Absorb spillage to prevent material damage.  
 Store in corrosive resistant container /container with a corrosion resistant inner liner.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

#### - Dangerous components:

10043-01-3	aluminium sulphate  Met. Corr. 1, H290; Eye Dam. 1, H318	25-50%
64-18-6	formic acid  Skin Corr. 1A, H314;  Acute Tox. 4, H302; Flam. Liq. 4, H227	≤2.5%

### 4 First aid measures

- **Description of first aid measures**
- **After inhalation:**  
 In case of unconsciousness place patient stably in side position for transportation.  
 Supply fresh air; consult doctor in case of complaints.  
 Take affected persons into fresh air and keep quiet.
- **After skin contact:**  
 Immediately wash with water and soap and rinse thoroughly.  
 If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
 No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
 No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **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** Wear protective clothing.
- **Environmental precautions:**  
 Dilute with plenty of water.  
 Do not allow to enter sewers/ surface or ground water.

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- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Protect from frost.  
Storage in a collecting room is required.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** avoid any kind of dust-generating process
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
CAS 231-545-4: amorphe silicic acid  
AGW: 4 mg/m<sup>3</sup> (general dust limit, inhalable fraction)

#### 10043-01-3 aluminium sulphate

REL (USA)	Long-term value: 2 mg/m <sup>3</sup> as Al
WEL (Great Britain)	Long-term value: 2 mg/m <sup>3</sup>

#### 64-18-6 formic acid

PEL (USA)	Long-term value: 9 mg/m <sup>3</sup> , 5 ppm
REL (USA)	Long-term value: 9 mg/m <sup>3</sup> , 5 ppm
TLV (USA)	Short-term value: 10 ppm Long-term value: 5 ppm
IOELV (EU)	Long-term value: 9 mg/m <sup>3</sup> , 5 ppm
WEL (Great Britain)	Long-term value: 9.6 mg/m <sup>3</sup> , 5 ppm

- **Regulatory information**  
REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)  
WEL (Great Britain): EH40/2020  
PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)  
TLV (USA): Guide to Occupational Exposure Values (TLV)  
IOELV (EU): (EU) 2019/1831
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the skin.

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Avoid contact with the eyes and skin.

**- Respiratory protection:**

Wear a particulate respirator according to EN 149 FFP 2S/3S in areas of dust-generating processes. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**- Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**- Material of gloves**

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.

**- Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**- Eye protection:**



Tightly sealed goggles

**- Body protection:** Protective work clothing

## 9 Physical and chemical properties

**- Information on basic physical and chemical properties**

**- General Information**

**- Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Light grey
<b>- Odour:</b>	Odourless
<b>- Odour threshold:</b>	Not determined.

**- pH-value at 20 °C:** 3

**- Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	>100 °C

**- Flash point:** Not applicable.

**- Flammability (solid, gas):** Not applicable.

**- Decomposition temperature:** Not determined.

**- Explosive properties:** Product does not present an explosion hazard.

**- Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**- Vapour pressure:** Not determined.

**- Density at 20 °C:** 1.3 g/cm<sup>3</sup>

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- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with water:** Partly miscible.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **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:** Possible in traces.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Finely divided dust may irritate and dehydrate mucous membrane.  
Irritant to skin and mucous membranes.
- **Serious eye damage/irritation**  
Finely divided dust may irritate and dehydrate mucous membrane.  
Strong irritant with the danger of severe eye injury.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Subacute to chronic toxicity:** The inhalation of microsilica cause a minimum risk of a pulmonary fibrosis.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** LC50 (96h) = 2,6 mg/L (Oncorhynchus mykiss) (ECHA)
- **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:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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- **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**  
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Packaging may be reused or recycled after cleaning.
- **Recommended cleansing agents:** Water, if necessary together with cleaning agents.

## 14 Transport information

- **UN-Number**
  - **ADR, IMDG, IATA** UN3264
  - **UN proper shipping name**
  - **ADR** 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (aluminium sulphate, FORMIC ACID)  
Void
  - **IMDG, IATA** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (aluminium sulphate, FORMIC ACID)
  - **Transport hazard class(es)**
  - **ADR, IMDG, IATA**
- 
- **Class** 8 Corrosive substances.
  - **Label** 8
  - **Packing group**
  - **ADR, IMDG, IATA** III
  - **Environmental hazards:**
  - **Marine pollutant:** No
  - **Special precautions for user** Warning: Corrosive substances.
  - **Hazard identification number (Kemler code):** 80
  - **EMS Number:** F-A,S-B
  - **Segregation groups** (SGG1) Acids
  - **Stowage Category** A
  - **Stowage Code** SW2 Clear of living quarters.
  - **Segregation Code** SG36 Stow "separated from" SGG18-alkalis.  
SG49 Stow "separated from" SGG6-cyanides
  - **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.
- 
- **ADR**
  - **Limited quantities (LQ)** 5L

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- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- Transport category	3
- Tunnel restriction code	E
<hr style="border-top: 1px dashed black;"/>	
- IMDG	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (ALUMINIUM SULPHATE, FORMIC ACID), 8, III

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- GHS label elements  
The product is classified and labelled according to the Globally Harmonised System (GHS).
- Hazard pictograms



GHS05

- Signal word Danger
- Hazard-determining components of labelling:  
aluminium sulphate  
formic acid
- Hazard statements  
May be corrosive to metals.  
Causes skin irritation.  
Causes serious eye damage.
- Precautionary statements  
Keep only in original container.  
Wash thoroughly after handling.  
Wear eye protection / face protection.  
IF ON SKIN: Wash with plenty of water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor.  
Specific treatment (see on this label).  
Take off contaminated clothing and wash it before reuse.  
If skin irritation occurs: Get medical advice/attention.  
Absorb spillage to prevent material damage.  
Store in corrosive resistant container /container with a corrosion resistant inner liner.
- 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

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in

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terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

**- Relevant phrases**

H227 Combustible liquid.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

**- Contact:****- Abbreviations and acronyms:**

Flam. Liq. 4: Flammable liquids – Category 4

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

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

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

— AE —