

# Safety Data Sheet PM-660 AQUA-STOP



Safety Data Sheet dated 10/1/2023, version 8

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

- 1.1. Product identifier  
Trade name: PM-660 AQUA-STOP
- 1.2. Relevant identified uses of the substance or mixture and uses advised against  
Recommended use:  
Adhesives, sealants.  
Uses advised against:  
No uses advised against.
- 1.3. Details of the supplier of the safety data sheet  
Company:  
BONET ESPECIALITATS HIDROQUÍMIQUES, S.L.U.  
C/Holanda, 41. P.I. Pla de Llerona  
Les Franqueses del Vallès (08520) (Spain)  
Telf: (+34) 900 82 87 81, 93 846 53 36  
Fax: (+34) 93 846 78 21  
info@behqsl.com  
Competent person responsible for the safety data sheet:  
regulatory@behqsl.com
- 1.4. Emergency telephone number  
In case of poisoning call the Spanish National Institute of Toxicology: +34 91 562 04 20

## SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture  
EC regulation criteria 1272/2008 (CLP)  
 Warning, Skin Irrit. 2, Causes skin irritation.  
  
 Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:  
No other hazards

- 2.2. Label elements  
Hazard pictograms:



Danger

Hazard statements:  
H315 Causes skin irritation.  
H318 Causes serious eye damage.

Precautionary statements:  
P102+P405 Keep out of reach of children. Store locked up.  
P280 Wear protective gloves and eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER.  
P501 Dispose of contents/container as hazardous waste through an authorized waste management company, in accordance with current regulations.

Special Provisions:  
None

## Safety Data Sheet PM-660 AQUA-STOP

Contains

Silicic acid, sodium salt

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards:

No other hazards

### SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

| Qty                       | Name                      | Ident. Number                                                           | Classification                                                                                                                                                                                                            |
|---------------------------|---------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| $\geq 40\%$ -<br>$< 50\%$ | Silicic acid, sodium salt | CAS: 1344-09-8<br>EC: 215-687-4<br>REACH No.: 01-21194487<br>25-31-0001 |  3.2/2 Skin Irrit. 2 H315<br> 3.3/1 Eye Dam. 1 H318 |

### SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately and dispose off safely.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: None

### SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water. Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

## Safety Data Sheet PM-660 AQUA-STOP

Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
  - Wear personal protection equipment.
  - Remove persons to safety.
  - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
  - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
  - Retain contaminated washing water and dispose it.
  - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
  - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
  - Wash with plenty of water.
- 6.4. Reference to other sections
  - See also section 8 and 13

### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - No smoking. Keep away from food, drink and animal feed.
  - Use appropriate personal protective equipment. Refer to paragraph 8.
  - Prevent entry of unauthorized persons.
  - Advice on general occupational hygiene:
  - Follow legislation on safety and health at work.
- 7.2. Conditions for safe storage, including any incompatibilities
  - As a general storage conditions, it should be avoided sources of heat, radiation, electricity and food contact. Store according to local legislation.
  - Store between 5 and 35 °C in a dry and well ventilated place.
  - None in particular.
  - Store into the original container. Keep the container properly sealed and labeled.
  - Keep away from incompatible materials: see paragraph 10.
- 7.3. Specific end use(s)
  - None in particular

### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
  - No occupational exposure limit available
- DNEL Exposure Limit Values
  - Silicic acid, sodium salt - CAS: 1344-09-8
    - Worker Professional: 5.61 mg/l - Consumer: 1.38 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
    - Consumer: 0.8 mg/l - Exposure: Human Oral - Frequency: Long Term, systemic effects
    - Worker Professional: 1.59 mg/l - Consumer: 0.8 mg/l - Exposure: Human Dermal - Frequency: Long Term, systemic effects
- PNEC Exposure Limit Values
  - Silicic acid, sodium salt - CAS: 1344-09-8
    - Target: Fresh Water - Value: 7.5 mg/l
    - Target: Marine water - Value: 1 mg/l
    - Target: Microorganisms in sewage treatments - Value: 348 mg/l
- 8.2. Exposure controls

## Safety Data Sheet PM-660 AQUA-STOP

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Protective gloves according to regulation EN 374.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

| Properties                                                | Value                               | Method: | Notes:                                                                    |
|-----------------------------------------------------------|-------------------------------------|---------|---------------------------------------------------------------------------|
| Physical state:                                           | Liquid                              | --      | --                                                                        |
| Colour:                                                   | Colourless                          | --      | --                                                                        |
| Odour:                                                    | Odourless                           | --      | --                                                                        |
| Melting point/freezing point:                             | > 300 °C                            | --      | --                                                                        |
| Boiling point or initial boiling point and boiling range: | 100 °C                              | --      | --                                                                        |
| Flammability:                                             | Non-flammable                       | --      | --                                                                        |
| Lower and upper explosion limit:                          | Not applicable                      | --      | Not available/Not applicable due to the nature/properties of the product. |
| Flash point:                                              | Not applicable                      | --      | Not available/Not applicable due to the nature/properties of the product. |
| Auto-ignition temperature:                                | Not applicable                      | --      | Not available/Not applicable due to the nature/properties of the product. |
| Decomposition temperature:                                | Not available                       | --      | Not available/Not applicable due to the nature/properties of the product. |
| pH:                                                       | 11 - 12                             | --      | --                                                                        |
| Kinematic viscosity:                                      | Not available                       | --      | Not available/Not applicable due to the nature/properties of the product. |
| Solubility in water:                                      | Soluble in water in all proportions | --      | --                                                                        |
| Solubility in oil:                                        | Not available                       | --      | Not available/Not applicable due to the nature/properties of the product. |
| Partition coefficient n-octanol/water (log value):        | Not applicable                      | --      | Not available/Not applicable due to the nature/properties of the product. |
| Vapour pressure:                                          | Not applicable                      | --      | Not available/Not applicable due to the nature/properties of the product. |

## Safety Data Sheet PM-660 AQUA-STOP

|                                  |               |    |                                                                           |
|----------------------------------|---------------|----|---------------------------------------------------------------------------|
| Density and/or relative density: | 1.480 - 1.580 | -- | --                                                                        |
| Relative vapour density:         | Not available | -- | Not available/Not applicable due to the nature/properties of the product. |

### Particle characteristics:

|                |               |    |                                                                           |
|----------------|---------------|----|---------------------------------------------------------------------------|
| Particle size: | Not available | -- | Not available/Not applicable due to the nature/properties of the product. |
|----------------|---------------|----|---------------------------------------------------------------------------|

### 9.2. Other information

| Properties            | Value         | Method: | Notes: |
|-----------------------|---------------|---------|--------|
| Explosive properties: | No explosive  | --      | --     |
| Oxidizing properties: | Non oxidizing | --      | --     |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

Exothermic reaction with strong acids and halogens.

### 10.4. Conditions to avoid

Excessive heat. Humidity.

### 10.5. Incompatible materials

Strong acids. Metals in form of dust, nitrogen compounds, combustible organic substances. It attacks the glass.

### 10.6. Hazardous decomposition products

Hydrogen.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

Silicic acid, sodium salt - CAS: 1344-09-8

#### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3400 mg/kg - Source: OCDE 401

Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg - Source: EPA OPPTS 870.1200

Test: LC50 - Species: Rat > 2.06 mg/l - Duration: 4h - Source: EPA OPPTS 870.1300

#### b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Positive - Source: OECD 404

#### c) serious eye damage/irritation:

Test: Eye Corrosive - Species: Rabbit Positive - Source: OECD SIDS (2004)

#### d) respiratory or skin sensitisation:

Test: Skin Sensitization Negative - Source: OECD 429

#### e) germ cell mutagenicity:

Test: Mutagenesis Negative

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

#### a) acute toxicity;

#### b) skin corrosion/irritation;

#### c) serious eye damage/irritation;

#### d) respiratory or skin sensitisation;

#### e) germ cell mutagenicity;

## Safety Data Sheet PM-660 AQUA-STOP

- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.
- 11.2. Information on other hazards
  - Endocrine disrupting properties:
  - No endocrine disruptor substances present in concentration  $\geq 0.1\%$

### SECTION 12: Ecological information

- 12.1. Toxicity
  - Adopt good working practices, so that the product is not released into the environment.
  - Silicic acid, sodium salt - CAS: 1344-09-8
  - a) Aquatic acute toxicity:
    - Endpoint: LC50 - Species: Fish = 1108 mg/l - Duration h: 96 - Notes: OECD 203
    - Endpoint: NOEC - Species: Fish = 348 mg/l - Duration h: 96 - Notes: OECD 203
    - Endpoint: EC50 - Species: Daphnia = 1700 mg/l - Duration h: 48 - Notes: OECD 202, part 1
    - Endpoint: EC50 - Species: Scenedesmus subspicatus = 207 mg/l - Duration h: 72 - Notes: OECD 201
- 12.2. Persistence and degradability
  - Silicic acid, sodium salt - CAS: 1344-09-8
  - Biodegradability: Not biodegradable
- 12.3. Bioaccumulative potential
  - Silicic acid, sodium salt - CAS: 1344-09-8
  - Bioaccumulation: Not much bioaccumulative
- 12.4. Mobility in soil
  - N.A.
- 12.5. Results of PBT and vPvB assessment
  - vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
  - No endocrine disruptor substances present in concentration  $\geq 0.1\%$
- 12.7. Other adverse effects
  - None

### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
  - Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.
  - Waste should not be disposed of through the sewer.

### SECTION 14: Transport information

- 14.1. UN number or ID number
  - Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name
  - N.A.
- 14.3. Transport hazard class(es)
  - N.A.
- 14.4. Packing group
  - N.A.
- 14.5. Environmental hazards
  - Marine pollutant: No
- 14.6. Special precautions for user
  - N.A.
- 14.7. Maritime transport in bulk according to IMO instruments

## Safety Data Sheet PM-660 AQUA-STOP

No

### SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

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

### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.

H318 Causes serious eye damage.

| Hazard class and hazard category | Code  | Description                    |
|----------------------------------|-------|--------------------------------|
| Skin Irrit. 2                    | 3.2/2 | Skin irritation, Category 2    |
| Eye Dam. 1                       | 3.3/1 | Serious eye damage, Category 1 |

This safety data sheet has been completely updated in compliance to Regulation 2020/878.

Paragraphs modified from the previous revision:

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

SECTION 2: Hazards identification

## Safety Data Sheet PM-660 AQUA-STOP

SECTION 7: Handling and storage  
SECTION 8: Exposure controls/personal protection  
SECTION 9: Physical and chemical properties  
SECTION 10: Stability and reactivity  
SECTION 11: Toxicological information  
SECTION 12: Ecological information  
SECTION 14: Transport information  
SECTION 15: Regulatory information  
SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|-----------------------------------------------------------|--------------------------|
| Skin Irrit. 2, H315                                       | Calculation method       |
| Eye Dam. 1, H318                                          | Calculation method       |

This document was prepared by a competent person who has received appropriate training.  
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date.  
It refers solely to the product indicated and constitutes no guarantee of particular quality.  
It is the duty of the user to ensure that this information is appropriate and complete with respect to  
the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ATE: Acute Toxicity Estimate  
ATEmix: Acute toxicity Estimate (Mixtures)  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CLP: Classification, Labeling, Packaging.  
DNEL: Derived No Effect Level.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
PNEC: Predicted No Effect Concentration.  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.



## **Safety Data Sheet PM-660 AQUA-STOP**

|       |                                 |
|-------|---------------------------------|
| STEL: | Short Term Exposure limit.      |
| STOT: | Specific Target Organ Toxicity. |
| TLV:  | Threshold Limiting Value.       |
| TWA:  | Time-weighted average           |
| WGK:  | German Water Hazard Class.      |