



Aquazinga Binder

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 4/3/2014

Revision date: 12/18/2016

Supersedes: 4/3/2014 Version: 02.00

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

1.1. Product identifier

Product form : Mixture
Trade name : Aquazinga Binder
Product code : 308/558
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Industrial/Professional use spec : Paint.
Use of the substance/mixture : Only to be used in combination with Aquazinga Powder
Function or use category : 55/999 Others

1.2.2. Uses advised against

Restrictions on use : Any other intended applications should be discussed with the manufacturer

1.3. Details of the supplier of the safety data sheet

Manufacturer

Zingametall Bvba
Rozenstraat 4, Industriepark
B- 9810 Eke

Tel.: +32 (0)9 385 68 81

Fax.: +32 (0) 9 385 58 69

E-mail: zingametall@zinga.be

Mr. Bruno Saverys

1.4. Emergency telephone number

Emergency number : +32 (0) 70 245 245
Anti-poison Center

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008.

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification : May cause slight irritation to eyes. May cause slight irritation to the skin.

vPvB: not relevant – no registration required

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
AQUA	(CAS No) 7732-18-5 (EC no) 231-791-2	70 - 90	Not classified
Silicic acid, sodium salt > MR 3,2	(CAS No) 1344-09-8 (EC no) 215-687-4 (REACH-no) 01-2119448725-31-xxxx	10 - 30	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice.
- First-aid measures after inhalation : If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.
- First-aid measures after skin contact : Wash with plenty of soap and water. Remove contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Take victim to a doctor if irritation persists.
- First-aid measures after ingestion : Rinse mouth out with water. Give 2-3 glasses of water to drink. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.

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

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Not combustible. Adapt extinguishing media to the environment.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not applicable. Non combustible.
- Explosion hazard : None under normal conditions.
- Reactivity in case of fire : Evolution of fumes.
- Hazardous decomposition products in case of fire : Hazardous vapours may be released. irritating vapours may be released.

5.3. Advice for firefighters

- Precautionary measures fire : No special measures required.
- Firefighting instructions : If hazardous substances are nearby: consider extinguishment.
- Protection during firefighting : Approach from upwind. Fire-resistant protective clothing.
- Other information : If spilled, may cause the floor to be slippery.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes. Wear suitable protective clothing. May be dangerously slippery if spilled.

6.1.1. For non-emergency personnel

- Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.1.2. For emergency responders

- Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not allow product to spread into the environment. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth.
- Methods for cleaning up : Wash down leftovers with plenty of water.
- Other information : Avoid all eyes and skin contact and do not breathe vapour and mist.

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6.4. Reference to other sections

Reference to other sections (8, 13). SECTION 7.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | | |
|-----------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : | None under normal use. |
| Precautions for safe handling | : | Avoid contact with skin, eyes and clothing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Wear personal protective equipment. Refer to chapter 8. |
| Hygiene measures | : | Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Remove contaminated clothes. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. |

7.2. Conditions for safe storage, including any incompatibilities

- | | | |
|------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical measures | : | Good ventilation of the workplace required. Use grounded electrical/mechanical equipment. |
| Storage conditions | : | Keep container tightly closed. Protect from freezing. Keep only in the original container in a cool, well-ventilated place away from (strong) acids. |
| Incompatible products | : | Strong acids. |
| Incompatible materials | : | Refer to Section 10 on Incompatible Materials. |
| Heat and ignition sources | : | Not combustible. |
| Information on mixed storage | : | Store away from strong oxidizers, strong bases, strong acids. Refer to Section 10 on Incompatible Materials. |
| Storage area | : | Keep only in the original container. |

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.

Personal protective equipment:

Not required for normal conditions of use.

Materials for protective clothing:

None under normal conditions

Hand protection:

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection:

Use splash goggles when eye contact due to splashing is possible. (EN 166)

Skin and body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust)

Respiratory protection:

None under normal conditions.

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Environmental exposure controls:

Assure that emissions are compliant with all applicable air pollution control regulations.

Other information:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: liquid.
Colour	: Colourless.
Odour	: odourless.
Odour threshold	: not applicable, odour not perceivable
pH	: Not determined
Relative evaporation rate (butylacetate=1)	: Not determined
Melting point	: 0 - 12 °C
Freezing point	: 0 - 12 °C
Boiling point	: ≈ 100 °C
Flash point	: Not applicable
Critical temperature	: Not determined
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No hazardous decomposition products if stored and handled as prescribed/indicated
Flammability (solid, gas)	: Not determined
Vapour pressure	: ≈ Refer to water
Relative vapour density at 20 °C	: Not determined
Relative density	: Not determined
Density	: 1.15 - 1.3 g/m ³
Solubility	: Soluble in water.
Log Pow	: Not determined
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: Not determined
Explosive properties	: For liquids not relevant for classification and labelling.
Oxidising properties	: Not applicable.
Explosive limits	: Not applicable

9.2. Other information

Other properties	: The product has not been tested.
Additional information	: If necessary, information on other physical and chemical parameters is indicated in this section.

SECTION 10: Stability and reactivity

10.1. Reactivity

May react with bases, copper, silver, mercury, magnesium, zinc and their alloys. Reacts exothermically with (some) acids.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Exothermic reaction.

10.4. Conditions to avoid

Keep away from reducing agents/(strong) acids /(strong) bases.

10.5. Incompatible materials

May react with bases, copper, silver, mercury, magnesium, zinc and their alloys.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
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Silicic acid, sodium salt > MR 3,2 (1344-09-8)	
LD50 oral rat	3400 mg/kg
LC50 inhalation rat (mg/l)	> 2.06

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not determined
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not determined
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)

Silicic acid, sodium salt > MR 3,2 (1344-09-8)	
NOAEL (oral, rat)	> 159 mg/kg bodyweight

Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Potential adverse human health effects and symptoms	: Slightly irritant but not relevant for classification.
Other information	: The product has not been tested. The statement has been derived from the properties of the individual components.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Classification criteria are not met. Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008.
Ecology - air	: Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
Ecology - water	: Do not allow the product to be released into the environment.

Silicic acid, sodium salt > MR 3,2 (1344-09-8)	
LC50 fish 1	1108 mg/l
EC50 Daphnia 1	1700 mg/l
EC50 72h algae (1)	207 mg/l BIOMASS
EC50 72h algae (2)	> 345.4 mg/l Growth rate

12.2. Persistence and degradability

Aquazinga Binder	
Persistence and degradability	Soil. Study scientifically unjustified.

12.3. Bioaccumulative potential

Aquazinga Binder	
Log Pow	Not determined
Bioaccumulative potential	Not applicable for inorganic substances. not expected.

12.4. Mobility in soil

Aquazinga Binder	
Ecology - soil	Not specifically applicable.

12.5. Results of PBT and vPvB assessment

Aquazinga Binder	
vPvB: not relevant – no registration required	

12.6. Other adverse effects

Other adverse effects	: May cause pH changes in aqueous ecological systems.
Additional information	: The product has not been tested. The statement has been derived from the properties of the individual components.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Remove waste in accordance with local and/or national regulations.
Waste treatment methods	: Collect all waste in suitable and labelled containers and dispose according to local legislation.

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Sewage disposal recommendations	:	Do not discharge into drains or the environment.
Product/Packaging disposal recommendations	:	Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Additional information	:	Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Handle uncleaned empty containers as full ones.
Ecology - waste materials	:	Disposal through controlled incineration or authorised waste dump.
European List of Waste (LoW) code	:	06 02 99 - wastes not otherwise specified

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	:	Not applicable
UN-No. (IMDG)	:	Not applicable
UN-No. (IATA)	:	Not applicable
UN-No. (ADN)	:	Not applicable
UN-No. (RID)	:	Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR)	:	Not applicable
Proper Shipping Name (IMDG)	:	Not applicable
Proper Shipping Name (IATA)	:	Not applicable
Proper Shipping Name (ADN)	:	Not applicable
Proper Shipping Name (RID)	:	Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	:	Not applicable
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IMDG

Transport hazard class(es) (IMDG)	:	Not applicable
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IATA

Transport hazard class(es) (IATA)	:	Not applicable
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ADN

Transport hazard class(es) (ADN)	:	Not applicable
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RID

Transport hazard class(es) (RID)	:	Not applicable
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14.4. Packing group

Packing group (ADR)	:	Not applicable
Packing group (IMDG)	:	Not applicable
Packing group (IATA)	:	Not applicable
Packing group (ADN)	:	Not applicable
Packing group (RID)	:	Not applicable

14.5. Environmental hazards

Dangerous for the environment	:	No
Marine pollutant	:	No
Other information	:	No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

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- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Ensure all national/local regulations are observed. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

15.1.2. National regulations

Users should ensure that they comply with any relevant local, provincial or national legislation.

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian NDSL (Non-Domestic Substances List)

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Silicic acid, sodium salt

SECTION 16: Other information

Indication of changes:

Revised SDS according to Commission Regulation (EU) N°2015/830.

Section	Changed item	Change	Comments
8		Added	
11		Modified	
12.		Modified	

Abbreviations and acronyms:

ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LOAEL	Lowest Observed Adverse Effect Level
EC50	Median effective concentration
LC50	Median lethal concentration
LD50	Median lethal dose
TLM	Median Tolerance Limit
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level

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NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rai
SDS	Safety Data Sheet
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Manufacturer/Supplier. ECHA reference. Authoring: . Quick.MSDS Sprl - Belgium
info@quickmsds.de +32 (0) 479 469 465.

Training advice : Users of breathing apparatus must be trained.

Other information : No further information available.

MSDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product