SECTION 1. Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Name	**AQUASCUD 420 Liquid component**

1.2. Identified relevant uses of the substance or mixture and non-recommended uses

Description/Use	**Adhesive and bonding agent for building material**

1.3. Supplier information of the safety data sheet

Company Name	**VOLTECO Spa**
Address	**Via delle Industrie, 47**
District and Country	**31050 Ponzano Veneto (TV) – IT**
Telephone	**+39 0422 9663**
Fax	**+39 0422 966401**
e-mail address of the person in charge of the safety data sheet	**volteco@volteco.it**

1.4. Emergency telephone number

For urgent enquiries, please contact	**+39 0422 9663**

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture
Regulation EC No. 1272/2008 as amended
Non-hazardous substance or mixture according to EC Regulation No. 1272/2008.

2.2 Label elements
Special labelling
According to EC Regulation no. 1272/2008 (CLP), the product does not need to be labelled.

EUH208	May cause an allergic skin reaction. Contains: Mixture: 5-chloro-2-methyl-2H- isothiazol-3-one (EC 247-500-7) and 2-methyl-2H-isothiazol-3-one (EC 220-239-6).

2.3 Other hazards
No data available.

SECTION 3. Composition/information on ingredients

3.1 Substance/Mixture

Product definition	Acrylic emulsion.

3.2 Mixture
This product does not contain substances (in concentrations equal to or greater than those defined by EC Regulation No.2015/830) that present a risk to health or the environment. Nor does it contain substances subject to EU exposure limits in the workplace.

SECTION 4. First aid measures

4.1 Description of the first aid measures

General information	In case of accident or illness, immediately call a doctor (show the label if possible).
Contact with skin	Wash thoroughly with soap and water. In case of skin irritation, seek medical attention.
Contact with eyes	Rinse thoroughly for several minutes. Seek medical attention if the eye irritation persists.
Swallowing	Drink 1-2 glasses of water. If necessary, seek medical attention. Never administer anything by mouth to an unconscious person.
Inhalation	Move the person to fresh air.

4.2 Main symptoms and effects, both acute and delayed
In addition to the information identified in the Description regarding first aid measures (provided above) and in the Instructions relating to immediate medical care and special treatments required (provided below), any other relevant symptom/effect is shown in Section 11: Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed
Notes for the doctor
Treatment in case of exposure should be aimed at controlling the symptoms and clinical conditions of the patient.

SECTION 5. Fire-fighting measures

5.1 Extinguishing agents

Suitable extinguishing agents	Use appropriate extinguishing equipment to contain the fire.
Unsuitable extinguishing agents	No data available.

5.2 Special hazards arising from the substance or mixture

Hazardous products of combustion	No data available.
Specific fire and explosion hazards	The material may cause splashes above 100°C/212°F. The dry product can burn.

5.3 Recommendations for those in charge of putting out fires

Use a hermetic protective mask

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment.
Keep people away from the leak, upwind.
The material may make surfaces slippery.

6.2 Environmental precautions

Prevent the product from entering the drains, surface water, ground water and confined areas.

6.3 Methods and materials for containment and cleaning up

Immediately contain any spills with inert material (sand, earth).
Transfer the liquid and solid material used to contain the leaks into separate containers suitable for recovery or disposal.

6.4 Reference to other sections

References to other sections, if applicable, have been provided in the previous subsections.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling the material.
Keep the container hermetically sealed.
Do not breathe vapours, aerosols or gases.

7.2 Conditions for safe storage, including any incompatibility

Avoid frost as it may compromise the stability of the product.
Mix well before use.

Storage stability	Storage temperature: 1-49°C
Other information	Monomer vapours may develop when the material is heated during processing operations. See Section 8 for the ventilation and airing devices required.

7.3 Specific end uses

No particular use.

SECTION 8. Exposure control/personal protection

8.1 Control parameters

The exposure limits are listed below, when they exist.

8.2 Exposure controls

Suitable technical controls	Use only in areas equipped with appropriate ventilation systems.
Eye protection	Safety goggles with side shields Wear an eye protection that is compatible with the system used to protect the respiratory tracts.
Hand protection	The gloves listed below protect against permeability (gloves made of other materials resistant to chemicals may not provide adequate protection): Neoprene gloves.
Respiratory protection	Use respiratory protection devices with CE marking, compliant with the requirements of the legislation in force in the EU (Directives 89/656/EEC, 89/686/EEC), when risks to the respiratory tracts cannot be avoided or sufficiently limited by implementing technical collective protective equipment or through measures, methods or procedures on work organisation.
Protective measures	The rooms intended for storage or use of this material must be equipped with eyewash stations.

Environmental exposure controls See SECTION 7: Management and storage, as well as SECTION 13: Considerations on disposal regarding measures to prevent excessive environmental exposure during waste use and disposal.

SECTION 9. Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Description	Values
Physical state	Liquid
Colour	White
pH	7-8,5
Melting or freezing point	approx. 0°C
Initial boiling point	Not available.
Boiling range	100°C
Flash point	Not flammable
Flammability of solids and gases	Not available.
Evaporation rate	Not available.
Lower flammability limit	Not available.
Upper flammability limit	Not available.
Lower explosivity limit	Not available.
Upper explosivity limit	Not available.
Vapour pressure	17 mmHg (20°C)
Vapour relative density (air=1)	< 1 Water
Apparent density	Not available.
Solubility	Mixable with water
Partition coefficient n-octanol/water	Not available.
Viscosity	< 1000 mPas (23°C)
Explosive properties	Not available.
Oxidising properties	Not available.
Decomposition temperature	Not available.
Auto-ignition temperature	Not available.

9.2 Other information

Molecular weight: Not available
Volatile percentage: 43-45%

SECTION 10. Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Not known.
The product does not cause polymerisation.

10.4 Conditions to be avoided

No data available.

10.5 Incompatible materials

None in particular.

10.6 Hazardous decomposition products

Thermal decomposition may generate acrylic monomers.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Source: 100 – supplier/own data/literatur

Name of product/ingredient	Result	Species	Dose	Exposure
CMIT/MIT	LD50	Rat	> 5000 mg/kg	Oral
	LD50	Rabbit	> 5000 mg/kg	Dermal

Acute toxicity due to inhalation
No data available.
Skin
May cause temporary irritation.
Eyes
Non-irritating.
Systemic toxicity: Single exposure - Repeated exposure
Product test data not available. Refer to the component data.
Respiratory tracts
Non-irritating.
Sensitisation
Product test data not available. Refer to the component data.
Carcinogenicity
Product test data not available. Refer to the component data.
Mutagenicity
Product test data not available. Refer to the component data.
Toxic for reproduction
Product test data not available. Refer to the component data.
Inhalation hazard
Product test data not available. Refer to the component data.

SECTION 12. Ecological information

12.1 Ecotoxicity
No data available.

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in the soil
No data available.

12.5 Results of the PBT and vPvB evaluation
This substance/mixture does not contain components considered to be either persistent, bioaccumulative or toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

12.6 Other adverse effects
No data available.

SECTION 13. Disposal considerations

13.1 Waste processing methods
Coagulate the emulsion with the addition of ferric chloride and calcium hydrate in successive stages.
Separate the liquid surface phase and send it to the chemical collection sewer.
For disposal, send to the incinerator or landfill by complying with the current legislation.
The correct attribution of both the EWC unit and the EWC code to this product depends on its use.
Contact the authorised waste disposal service.

SECTION 14. Transport information

The product is not classified as dangerous in accordance with the provisions in force concerning transport of dangerous goods by road (ADR) and by Rail (RID), by sea (IMDG Code) and by air (IATA).

SECTION 15. Regulatory information

15.1 Specific standards and regulations on health, safety and environment for the substance or mixture

Regulation EC No. 1907/2006
This product only contains components that have been either pre-registered or registered, or are exempt from registration according to EC Regulation no. 1907/2006 (REACH).
Polymers are exempted from registration pursuant to REACH.
All relevant starting materials and additives have been pre-registered, registered, or exempted from the registration required by EC Regulation no. 1907/2006 (REACH).
The aforementioned indications of the REACH registration status are clearly stated and deemed accurate as of the document date.
However, no explicit or implicit guarantee is provided.
It is the responsibility of the user and/or buyer to ensure that their understanding of the regulatory status of this product is correct.
Seveso Directive III
Directive 2012/18/EU on major accidents involving dangerous substances
Listed in the regulation.
Not applicable.

15.2 Chemical safety assessment
Not applicable.

SECTION 16. Other information

- EC Regulation No. 1272/2008 of the European Parliament (CLP)
This product was classified in compliance with EC Regulation No. 1272/2008 (CLP).

SAFETY DATA SHEET ON VOLUNTARY BASIS
The product is not classified as hazardous.
A safety data sheet is not required by the regulations in force.
We provide, on a voluntary basis, a safety data sheet compiled in accordance with EC Regulation No. 1907/2006 (REACH).

Abbreviations and acronyms
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS NUMBER: Chemical Abstract Service NUMBER
- CE50: Concentration that causes effect to 50% of the population subjected to a test
- CE NUMBER: Identification NUMBER in ESIS (European archive of existing substances)
- CLP: Classification, Labelling, Packaging (EC Regulation No. 1272/2008)
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Global harmonised system to classify and label Chemical products
- IATA DGR: Regulations to transport Dangerous Goods of the International Air transport Association
- IC50: Concentration that immobilises 50% of the population subjected to a test
- IMDG: International maritime code for transport of Dangerous Goods
- IMO: International maritime Organization
- INDEX NUMBER: INDEX NUMBER of Annex VI of the CLP
- LC50: Lethal concentration for 50% of the test population
- LD50: Lethal dose for 50% of the test population
- OEL: EU occupational exposure limit value
- PBT: Persistent bioaccumulative and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable exposure level
- PNEC: Predicted no-effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
- TLV: occupational exposure threshold limit value
- TLV CEILING: concentration that must Not be exceeded during any time of working exposure
- TWA STEL: Short time exposure limit
- TWA: 8-hour time-weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very Persistent and Very bioaccumulative according to REACH

GENERAL BIBLIOGRAPHY
- EC Regulation No. 1907/2006 of the European Parliament (REACH)
- EC Regulation No. 1272/2008 of the European Parliament (CLP)
- EC Regulation No. 790/2009 of the European Parliament (I Atp. CLP)
- EC Regulation No. 453/2010 of the European Parliament
- EC Regulation No. 286/2011 of the European Parliament (II Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- Niosh - Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials - 7 Ed., 1989
- ECHA Agency website

Note for the user

The information contained in this data sheet is based on the knowledge available to us at the date of the last version.
The user must verify the suitability and completeness of the information according to each specific use of the product.
This document must not be considered a guarantee of any specific property of the product.
Since product use is not subject to our direct control, the user is obliged, under his own responsibility, to comply with the health and safety regulations and laws in force. We accept no responsibility for improper use.
We accept no responsibility for improper use.
Provide adequate training to people in charge of using chemical products.