Information Sheet

Compliant with the safety data sheet format defined by Ann. II of the REACH Reg., but not required by Art. 31

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

1.1. Product identifier

Code:	**RA02**
Product name	**AMPHIBIA 3000 GRIP**

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

Intended use	**Waterproofing membrane self-gripping to concrete**

1.3. Details of the supplier of the Information Sheet

Name	**VOLTECO S.P.A**
Full address	**via delle industrie 47**
District and Country	**31050 Ponzano Veneto (TV)** **Italia**
	Tel. 04229663
e-mail address of the competent person responsible for the information sheet	**volteco@volteco.it**

1.4. Emergency telephone number

For urgent inquiries refer to	**+39 06 68593726 (CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA - Roma - 00165)** **+39 800183459 (Az. Osp. Univ. Foggia - Foggia - 71222)** **+39 081 7472870 (Az. Osp. "A. Cardarelli" - Napoli - 80131)** **+39 06 49978000 (CAV Policlinico "Umberto I" - Roma - 161)** **+39 06 3054343 (CAV Policlinico "A. Gemelli" - Roma - 168)** **+39 055 7947819 (Az. Osp. "Careggi" U.O. Tossicologia Medica - Firenze - 50134)** **+39 0382 24444 (CAV Centro Nazionale di Informazione Tossicologica - Pavia - 27100)** **+39 02 66101029 (Osp. Niguarda Ca' Granda - Milano - 20162)** **+39 800883300 (Azienda Ospedaliera Papa Giovanni XXII - Bergamo - 24127)**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Hazard classification and indication: --

2.2. Label elements

Hazard pictograms: --

Signal words: --

Hazard statements: --

Precautionary statements: --

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement.

SECTION 4. First aid measures

4.1. Description of first aid measures

No effects requiring implementation of special first aid measures are expected. The following information represents practical indications of correct behaviour in the event of contact with a chemical product, even if not hazardous.
In case of doubt or in the presence of symptoms contact a doctor and show him this document.
In case of more severe symptoms, ask for immediate medical aid.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

Specific information on symptoms and effects caused by the product are unknown.

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

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

Do not use direct jets of water

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in

SECTION 6. Accidental release measures ... / >>

emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material information sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Information not available

8.2. Exposure controls

Comply with the safety measures usually applied when handling chemical substances.
HAND PROTECTION
None required.
SKIN PROTECTION
None required.
EYE PROTECTION
None required.
RESPIRATORY PROTECTION
None required, unless indicated otherwise in the chemical risk assessment.
ENVIRONMENTAL EXPOSURE CONTROLS
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	solid	
Colour	black	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	not applicable	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	not applicable	
Auto-ignition temperature	not available	
Decomposition temperature	not available	

SECTION 9. Physical and chemical properties ... / >>

pH	not available	
Kinematic viscosity	not available	
Solubility	insoluble in water	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	1,2	kg/dm3
Relative vapour density	not available	
Particle characteristics	not available	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

CALCIUM CARBONATE
Incompatible with: acids,aluminium,magnesium.

10.6. Hazardous decomposition products

CALCIUM CARBONATE
In decomposition develops: calcium oxides.

SECTION 11. Toxicological information

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

SECTION 11. Toxicological information ... / >>

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	Not classified (no significant component)
ATE (Dermal) of the mixture:	Not classified (no significant component)

CALCIUM CARBONATE

LD50 (Dermal):	> 2000 mg/kg Rat - OCSE 403
LD50 (Oral):	> 2000 mg/kg Rat - OCSE 425

• Calcium carbonate does not present any acute toxicity.
• Inhalation: LC50 (4h) > 3 mg/l air (OECD 403, rat).
• Based on available data, the classification criteria are not met.

SODIUM POLYACRYLATE

LD50 (Oral):	> 40000 mg/kg Ratto

Fatty acids, C16-18, zinc salts

LD50 (Dermal):	> 2000 mg/kg Rat
LD50 (Oral):	> 5000 mg/kg Rat (OECD 401)
LC50 (Inhalation mists/powders):	> 5 mg/l/4h Rat

Non-irritating (Draize test, Rabbit)

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

CALCIUM CARBONATE
• No irritation (OECD 404, rabbit).
• Based on available data, the classification criteria are not met.

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

CALCIUM CARBONATE
• Calcium carbonate is not irritating to the eye (OECD 405, rabbit).
• Based on available data, the classification criteria are not met.

Fatty acids, C16-18, zinc salts
Non-irritating (Draize test, Rabbit)

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

CALCIUM CARBONATE
• No sensitization (OECD 429, mouse).
• Based on available data, the classification criteria are not met.

Fatty acids, C16-18, zinc salts
Non-sensitizing (Patch test, human skin)

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CALCIUM CARBONATE
• No mutagenicity (in vitro test results OECD 471, OECD 473 and OECD 476).
• Based on available data, the classification criteria are not met.

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

SECTION 11. Toxicological information ... / >>

CALCIUM CARBONATE
• From genotoxicity tests and long-term studies on humans, it does not appear that calcium carbonate presents any risk of carcinogenicity.
• Based on available data, the classification criteria are not met.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

CALCIUM CARBONATE
• Calcium carbonate poses no risk of reproductive toxicity.
• Based on available data, the classification criteria are not met.

Fatty acids, C16-18, zinc salts
NOEC (maternal toxicity, animals): > 20 mgZn/Kg bw/day
NOEC (maternal toxicity, human): > 0.83 mgZn/Kg bw/day

Adverse effects on development of the offspring

Fatty acids, C16-18, zinc salts
NOEC (developmental toxicity, animals): > 50 mg/Kg bw/day
NOEC (developmental toxicity, human): > 0.83 mg/Kg bw/day

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

CALCIUM CARBONATE
• No organ toxicity observed in acute tests.
• Based on available data, the classification criteria are not met.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

CALCIUM CARBONATE
• No organ toxicity observed in repeated dose toxicity tests
Oral NOAEL: 1000 mg/kg body weight/day (OECD 422, rat)
Inhalation NOAEC: 0.212 mg/L (OECD 413, rat).
Skin toxicity is not considered relevant.
Although skin contact during the production and use of calcium carbonate is possible, inhalation is considered to be the primary route of exposure. Calcium carbonate is an inorganic ionic solid and based on its physicochemical properties, the results of oral and dermatological acute toxicity studies, as well as the 28-day repeated dose oral toxicity study, calcium carbonate is not expected of calcium causes toxic effects following repeated exposure.
• Based on available data, the classification criteria for toxicity for prolonged exposure via inhalation, oral route or dermal route are not met.

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

CALCIUM CARBONATE
• No hazards identified.

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

CALCIUM CARBONATE
EC50 - for Algae / Aquatic Plants > 14 mg/l/72h OCSE 201
Acute/prolonged toxicity to fish

SECTION 12. Ecological information ... / >>

LC50 (96h) for freshwater fish (rainbow trout Oncorhynchus mykiss): > 100% v/v saturated solution of test material - exceeds the maximum solubility level of the substance (OECD method 203).

Acute/prolonged toxicity to aquatic invertebrates
EC50 (48h) for aquatic invertebrates (Daphnia magna): > 100% v/v saturated solution of test material - exceeds the maximum solubility level of the substance (OECD method 202).

Acute/prolonged toxicity to aquatic plants
EC50/EC20/EC10 or NOEC (72h) for freshwater algae (Desmodesmus subspicatus): > 14 mg/L (OECD 201 method).

Toxicity to microorganisms, e.g. bacteria
EC50 (3h) activated sludge: > 1000 mg/L (OECD 209 method).
NOEC (3h) activated sludge: 1000 mg/L (OECD 209 method).

Chronic toxicity to aquatic organisms
Not applicable

Toxicity to soil organisms
EC50 (14 days) for soil macroorganisms (Eisenia fetida earthworms): > 1000 mg/kg (OECD 207 method).
NOEC (14 days) for soil macroorganisms (Eisenia fetida earthworms): 1000 mg/kg (OECD 207 method.)
EC50 (28 days) for soil microorganisms: >1000 mg/kg (OECD Method 216).
NOEC (28 days) for soil microorganisms: 1000 mg/kg (OECD 216 method).
Calcium carbonate is not toxic to soil organisms

Toxicity to terrestrial plants
EC50 (21 days) glycine max (soya), lycopersicon esculentum (tomato), avena sativa (oats): > 1000 mg/kg (OECD 208 method) NOEC (21 days) glycine max (soya), lycopersicon esculentum (tomato), avena sativa (oats): 1000 mg/kg (OECD 208 method).
Calcium carbonate is not acutely toxic to plants.

Fatty acids, C16-18, zinc salts

LC50 - for Fish	> 10000 mg/l/96h Brachydanio rerio (EU Method C.1
EC50 - for Crustacea	> 100 mg/l/48h Daphnia magna (OECD 202, pH 6 and pH8,1)
EC50 - for Algae / Aquatic Plants	70,9 mg/l/72h Pseudokirchnerella subcapitata (OECD 201)
EC10 for Algae / Aquatic Plants	0,79 mg/l/72h Pseudokirchnerella subcapitata, OECD 201
Chronic NOEC for Fish	0,9 mg/l/96h acuta (OECD 203)
Chronic NOEC for Algae / Aquatic Plants	1000 mg/l Pseudomonas putida, Zellvermehrungshemm test, DIN 38412

12.2. Persistence and degradability

CALCIUM CARBONATE
Water solubility: 0.1 - 100 mg/l
Habitic degradation:
• The substance is inorganic for which it is not subject to abiotic degradation.
Biodegradation:
• The substance is inorganic for which it does not undergo biodegradation.

Fatty acids, C16-18, zinc salts

Rapidly degradable	93 % in 28 days

12.3. Bioaccumulative potential

CALCIUM CARBONATE
• No bioaccumulation phenomena are expected.

Fatty acids, C16-18, zinc salts
Based on the read-across data available for Zinc and the ready biodegradability, the bioaccumulation of the substance is expected to have a very limited effect.

12.4. Mobility in soil

SECTION 12. Ecological information ... / >>

CALCIUM CARBONATE
• Not applicable.

Fatty acids, C16-18, zinc salts
Based on the read-across data for Zinc and the ready degradability of the substance, sediments and soil should be the main targets for distribution in the environment. however, given its ready degradability, the substance does not persist in these compartments.

12.5. Results of PBT and vPvB assessment

CALCIUM CARBONATE
• This substance does not meet the criteria for classification as PBT or vPvB.

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Endocrine disrupting properties

CALCIUM CARBONATE
• The available data for the substance have been examined according to the criteria established in the Regulations ((EC) No. 1907/2006, (EU) 2017/2100, (EU) 2018/605) and found not to be applicable

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

CALCIUM CARBONATE
• The substance is not classified as dangerous for the environment according to the criteria of the European classification and labeling system.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Solid residues may be suitable for disposal in an authorised landfill site.
The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

SECTION 14. Transport information ... / >>

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
Contained substance
Point 75 CALCIUM CARBONATE

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicable

Substances in Candidate List (Art. 59 REACH)
On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)
None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:
None

Substances subject to the Rotterdam Convention:
None

Substances subject to the Stockholm Convention:
None

Healthcare controls
Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%

SECTION 16. Other information ... / >>

- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)
27. Delegated Regulation (UE) 2024/2564 (XXII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION
Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.
Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.