



# VOLTECO Spa

## AKTI-VO 201

Revision n. 3.0

Revision date 05/03/2021

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

#### 1.1 Product identifier

Name AKTI-VO 201

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

Description/Use Single-component sealant in paste form that hardens in contact with air and humidity. Once hardened the product is elastic. In contact with water its volume increases slowly.

UFI G800-P0VS-P00N-TKPE

#### 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

Product definition Mixture

The product is classified as dangerous pursuant to the provisions stipulated in EC Regulation No. 1272/2008 (CLP) as amended. The product requires a safety data sheet that complies with the provisions of EC Regulation No. 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in Sections 11 and 12 of this data sheet.

##### 2.1.1 EC Regulation No. 1272/2008 as amended

##### Classification and hazard statements

Aquatic Acute Inhal. 4	H332	Harmful if inhaled
Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2	H351	Suspected of causing cancer
STOT RE 2	H373	May cause damage to organs in the event of prolonged or repeated exposure.

#### 2.2 Label elements

Hazard labelling pursuant to EC Regulation No. 1272/2008 (CLP) as amended.

##### Hazard pictograms



Warnings Hazard

##### Hazard statements

H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351	Suspected of causing cancer
H373	May cause damage to organs in the event of prolonged or repeated exposure.

##### Precautionary tips

P201	Obtain specific instructions before use.
P202	Do not handle before reading and understanding all warnings.
P260	Do not breathe dust/fumes/gases/mist/vapours/aerosols.
P261	Avoid inhaling vapours.
P271	Only use outdoors and in well-ventilated places.



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<b>P281</b>	Use the required personal protective equipment.
<b>P285</b>	In case of insufficient ventilation, use a suitable breathing apparatus.
<b>P304+P340</b>	IN CASE OF INHALATION: move the victim to fresh air and keep at rest in a comfortable position for breathing.
<b>P304+P341</b>	IN CASE OF INHALATION: if breathing is difficult, move the victim to fresh air and keep at rest in a comfortable position for breathing.
<b>P308+P313</b>	IN CASE of exposure or possible exposure, seek medical attention.
<b>P342+P311</b>	In case of respiratory symptoms, contact a POISON CENTRE/doctor.
<b>P312</b>	Immediately call a POISON CONTROL CENTRE or a doctor.
<b>P314</b>	In case of illness, seek medical attention.
<b>P405</b>	Store under lock and key.
<b>P501</b>	Dispose of the product/recipient in compliance with the regulation in force.
<b>EUH204</b>	Contains isocyanates. May cause an allergic reaction.

45-55 % of the mixture is made up of ingredients whose acute toxicity is unknown.

45-55 % of the mixture is made up of ingredients whose level of harm in relation to the aquatic environment is not known.

**Special provisions according to Annex XVII of the REACH Regulation and subsequent amendments** none.

### 2.3 Other hazards

vPvB substances: none - PBT substances: none

## SECTION 3. Composition/information on ingredients

### 3.1 Substance/Mixture

Non-relevant information.

### 3.2 Mixture

#### Contains

#### Declaration of the ingredients in accordance with 1272/2008/EC (CLP)

Hazardous component	CAS	EC	%	Classification
Urethane prepolymer	Trade secret	Trade secret	45 <= C < 55	
Inorganic Filler REACH Reg. No.: pre-registered	Trade secret	Trade secret	25 <= C < 35	
Aliphatic hydrocarbon REACH Reg. No.: pre-registered	Trade secret	Trade secret	10 <= C < 20	
Silica (amorphous) Silica (amorphous) Reach Reg. No.: pre-registered	Trade secret	Trade secret	5 <= C < 10	
Titanium dioxide REACH Reg. No.: pre-registered	103463-67-7	236-675-5	5 <= C < 10	Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 STOT RE 1, H372 Aquatic Chronic 4, H413
P-toluenesulfonyl isocyanate Reach Reg. No.: pre-registered	4083-64-1	223-810-8	C < 5	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Resp.Sens 1, H334 STOT SE 3, H335
4-4'Methylene bis (phenyl isocyanate) Reach Reg. n.: preregistrato	101-68-8	202-966-0	C < 0.5	Skin Irrit 2 H 315 Skin Sens 1 H317 Eye Irrit 2 H319 Acute Tox 4 Inhal H322 Resp sens 1 H334 STOT SE 3 H335 Carc. 2 H351 STOT RE 2 H373

The full wording of the Hazard statements (H) is given in Section 16 of the data sheet.

## SECTION 4. First aid measures



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#### 4.1 Description of the first aid measures

##### **Contact with skin**

Immediately rinse the affected area with plenty of water and clean with soap and water. Immediately wash contaminated clothing. In case of skin eruption or burns, seek medical attention.

##### **Contact with eyes**

Wash immediately with plenty of water for at least 15 minutes, opening the eyelids well. Seek medical attention if the problem persists. Remove any contact lenses. Call an ophthalmologist.

##### **Swallowing**

In case of accidental ingestion, immediate medical attention is required.

##### **Inhalation**

Take the affected individual outdoors. If symptoms persist, seek medical attention.

#### **Notes for the doctor**

No special antidotes are required. The treatment must be carried out based on the doctor's assessment of the patient's reactions.

#### **4.2 Main symptoms and effects, both acute and delayed**

Information not available.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

Information not available.

### SECTION 5. Fire-fighting measures

#### **5.1 Extinguishing agents**

##### **Suitable extinguishing agents**

Carbon dioxide and chemical powder and water spray

##### **Unsuitable extinguishing agents**

Information not available.

#### **5.2 Special hazards arising from the substance or mixture**

No data available but thermal decomposition and combustion can produce carbon dioxide, carbon monoxide and nitrogen oxide.

#### **5.3 Recommendations for those in charge of putting out fires**

Wear protective equipment.

Use a breathing apparatus that is suitable for the environmental conditions of the air.

##### **General information**

In case of fire, immediately cool the containers to avoid the danger of explosions (decomposition of the product, over-pressures) and the development of substances that are potentially hazardous to health. Always wear full fire prevention gear. If possible to do so without risk, move the product containers away from the fire.

##### **Protective clothing**

Standard fire fighting clothing such as an open-circuit compressed air breathing apparatus (EN 137), flame retardant clothing (EN 469), flame retardant gloves (EN 659) and boots for firefighters (HO A29 or A30).

### SECTION 6. Accidental release measures

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Staff in charge of cleaning must wear suitable protective clothing so as to prevent the inhalation of dust and contact with skin and eyes.

#### **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**

Vacuum the spilled product into a suitable container.

Assess the compatibility of the container to be used with the product, by checking Section 10.

Absorb the remaining product with inert absorbent material.

Make sure there is adequate ventilation in the area affected by the leak.

Check any incompatibilities for the material of the containers in Section 7.

Disposal of contaminated material must comply with the provisions stipulated in Point 13.

#### **6.4 Reference to other sections**

Any information on personal protection and disposal is found in Sections 8 and 13.

### SECTION 7. Handling and storage

#### **7.1 Precautions for safe handling**

Avoid contact with eyes, keep containers closed.

#### **7.2 Conditions for safe storage, including any incompatibility**

Store in a cool and well-ventilated place, away from sources of heat, naked flames, sparks and other sources of ignition.

Store in the original container, firmly closed.

#### **7.3 Specific end uses**



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No additional information for specific end uses (see Section 1.2).

### SECTION 8. Exposure control/personal protection

#### 8.1 Control parameters

##### Occupational exposure limit

Valid for: ITALY

Name of product/ingredient	Type	State	TWA/8 h;mg/m <sup>3</sup>	TWA/8 h;ppm	STEL/15 min;mg/m <sup>3</sup>	STEL/15 min;ppm
<b>Titanium dioxide</b>			10			

**4-4'Methylene bis  
(phenyl  
isocyanate)**

0,005

DNEL exposure limit values: Not available.

PNEC exposure limit values: Not available.

#### 8.2 Exposure controls

Since adequate technical equipment must always be given priority over personal protective equipment, make sure that there is good ventilation in the workplace by means of effective local extraction.

If necessary, request advice from your chemical supplier to select personal protective equipment.

The personal protective equipment must bear the CE marking attesting its compliance with the standards in force.

##### Hand protection

Protect your hands with Category III work gloves (ref. Standard EN 374). The following must be considered for the final selection of the glove material: compatibility, degradation, break-through time and permeation. In the case of preparations, the resistance of the work gloves against chemical agents must be verified before use as it can be unpredictable. The gloves have a wear time limit that depends on duration and mode of use.

##### Eye protection

It is recommended to wear protective airtight goggles (ref. Standard EN 166). Do not wear contact lenses.

##### Respiratory tract protection

Wear a suitable mask with filter when exposed to dust.

##### Skin protection

Wear long-sleeved overalls and safety footwear for professional use category II (ref. Directive 89/686/EC and Standard EN 344). Wash with soap and water after removing protective clothing. Assess the need of providing anti-static clothing if the work environment presents an explosion risk.

##### Thermal hazards

There is no available data, but thermal decomposition or combustion can produce carbon dioxide, carbon monoxide and nitrogen oxide.

##### Environmental exposure controls

Treat this product in conformity with the mandatory EU Directives and Regulations.

### SECTION 9. Physical and chemical properties

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

Description	Values
Physical state	Grey plaster
Colour	Grey
Odour	Characteristic
pH	Not available.
Melting or freezing point	Not available.
Flammability of solids and gases	Not available.
Boiling range	Not available.
Lower flammability limit	Not available.
Lower explosivity limit	Not available.
Vapour pressure	Not available.
Relative density	1,25
Partition coefficient n-octanol/water	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.
Decomposition temperature	Not available.
Auto-ignition temperature	Not available.

#### 9.2 Other information



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No data available.

### SECTION 10. Stability and reactivity

#### 10.1 Reactivity

There are no specific test values available relative to this product and its ingredients.

#### 10.2 Chemical stability

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

#### 10.3 Possibility of hazardous reactions

No dangerous reactions are expected under normal conditions of use and storage.

#### 10.4 Conditions to be avoided

Avoid high temperatures; avoid low temperatures (below 0 °C).

Keep away from high humidity.

#### 10.5 Incompatible materials

Epoxy resins, strong oxidising agents, Lewis bases or acids, mineral and epoxy acids.

#### 10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, nitrogen oxide and other organic substances can form during combustion or at high degradation temperatures (> 250 °C).

### SECTION 11. Toxicological information

#### 11.1 Information on toxicological effects

<b>Acute effects</b>	There is no available data but it can be harmful if swallowed.
<b>Contact with skin</b>	There is no available data but it can cause irritation and corrosion to skin.
<b>Contact with eyes</b>	There is no available data but it can cause serious eye damage.
<b>Inhalation</b>	There is no available data but it can cause allergy, asthma or respiratory problems if inhaled.
<b>Mutagenic effects</b>	No data available.
<b>Toxic for reproduction</b>	No data available.
<b>STOT single exposure</b>	There is no available data but it can cause irritation to the respiratory tract.
<b>STOT repeated exposure</b>	No data available.
<b>Hazard if inhaled</b>	No data available.

### SECTION 12. Ecological information

#### 12.1 Ecotoxicity

There is no available data but it can be toxic for the aquatic environment.

#### 12.2 Persistence and degradability

Information not available.

#### 12.3 Bioaccumulative potential

Information not available.

#### 12.4 Mobility in the soil

Information not available.

#### 12.5 Results of the PBT and vPvB evaluation

Information not available.

#### 12.6 Other adverse effects

Information not available.

### SECTION 13. Disposal considerations

#### 13.1 Waste processing methods

<b>Insertion</b>	It must be carried out in accordance with local provisions.
<b>Recycle</b>	It must be carried out in accordance with local provisions.
<b>Send to landfill</b>	It must be carried out in accordance with local provisions.

#### 13.2 Contaminated packaging

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.



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### 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 (REACH) Annex XVII - Substances subject to restrictions on their marketing and use and subsequent amendments:

Not applicable.

#### 15.2 Chemical safety assessment

No chemical safety assessment has been conducted for the mixture and the substances contained in it.

### SECTION 16. Other information

Text of hazard (H) phrases mentioned in Sections 2-3 of the data sheet:

<b>P202</b>	Do not handle before reading and understanding all warnings.
<b>P260</b>	Do not breathe dust/fumes/gases/mist/vapours/aerosols.
<b>P261</b>	Do not breathe dust/fumes/gas/mist/vapours/spray.
<b>P271</b>	Only use outdoors and in well-ventilated places.
<b>P281</b>	Use the required personal protective equipment.
<b>P285</b>	In case of insufficient ventilation, use a suitable breathing apparatus.
<b>P304+P340</b>	IN CASE OF INHALATION: move the victim to fresh air and keep at rest in a comfortable position for breathing.
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<b>P312</b>	Immediately call a POISON CONTROL CENTRE or a doctor.
<b>P314</b>	In case of illness, seek medical attention.
<b>P405</b>	Store under lock and key.
<b>P501</b>	Dispose of the product/recipient in compliance with the regulation in force.

#### Abbreviations and acronyms

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS NUMBER: Chemical Abstract Service NUMBER
- CLP: Classification, Labelling, Packaging (EC Regulation No. 1272/2008)
- DNEL: Derived no effect level
- EINECS: European Inventory of existing Commercial Chemical substances
- GefStoffVO: Ordinance on hazardous substances in Germany
- GHS: Global harmonised system to classify and label Chemical products
- IATA: International Air transport Association
- IATA DGR: Regulations to transport Dangerous Goods of the International Air transport Association
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions of the "International Civil Aviation Organization"
- IMDG: International maritime code for transport of Dangerous Goods
- LC50: Lethal concentration for 50% of the test population
- LD50: Lethal dose for 50% of the test population
- LTE: Long-term exposure
- PNEC: Predicted no-effect concentration
- RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
- STE: Short-time exposure
- STEL: Short-time exposure limit
- STOT: specific organ Toxicity
- TLV: occupational exposure threshold limit value
- TWA: 8-hour time-weighted average exposure limit
- OEL: EU occupational exposure limit value



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- VLE: occupational exposure limit value
- WGK: water hazard class in Germany
- N.A.: Not applicable.
- N.D.: Not available

This safety data sheet was developed in compliance with Annex II - Guide to the compilation of Safety Data Sheets of EC Regulation No. 1907/2006 - EC Regulation No. 453/2010.

The information contained herein is based on our knowledge at the above date.

These refer solely to the indicated product and do not constitute a guarantee of particular quality.

The user is required to ensure the suitability and completeness of this information in relation to the specific intended use.

This sheet supersedes and replaces any previous edition.