

BONDIT AQUARIUM SILICONE SEALANT

01 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Trade Name : BONDIT AQUARIUM SILICONE SEALANT
Company : Akkim Yapı Kimyasalları San. Tic. ve A.Ş.
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02 HAZARDS IDENTIFICATION

2.1 Hazard description: Not applicable.

2.2 Information concerning particular hazards for human and environment:

The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

2.3 Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

03 COMPOSITION / INFORMATION ON INGREDIENTS

Description: Mixture of substances listed below with nonhazardous additions.

Ingredients	CAS No.	EINECS No.	Conc. (% w/w)	Classification
Tris(acetyloxy)ethylsilane	17689-77-9	241-677-4	1-4%	C; R 14-34
Methyltriacetoxysilane	4253-34-3	224-221-9	1-4%	Xi; R36/37/38

04 FIRST AID MEASURES

- 4.1 General information: No special measures required.
4.2 After inhalation: Supply fresh air; consult doctor in case of complaints.
4.3 After skin contact: If skin irritation continues, consult a doctor.
4.4 After eye contact: Rinse opened eye for several minutes under running water.
4.5 After swallowing: If symptoms persist consult doctor.

05 FIRE FIGHTING MEASURES

- 5.1 Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
5.2 Protective equipment: Mouth respiratory protective device.

06 ACCIDENTAL RELEASE MEASURES

- 6.1 Person-related safety precautions: Ensure adequate ventilation
6.2 Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
6.3 Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
6.4 Additional information: No dangerous substances are released.

07 HANDLING AND STORAGE

7.1 Handling:

7.1.1 Information for safe handling: Use only in well ventilated areas.

7.1.2 Information about fire - and explosion protection: No special measures required.

7.2 Storage:

7.2.1 Requirements to be met by storerooms and receptacles: No special requirements.

7.2.2 Information about storage in one common storage facility: Not required.

7.2.3 Further information about storage conditions: None.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Additional information about design of technical facilities: No further data; see item 7.

8.2 Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.3 Additional information: The lists valid during the making were used as basis.

8.4 Personal protective equipment:

8.4.1 General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

8.4.2 Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

8.4.3 Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

8.5 Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

8.5.1 Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

8.5.2 Eye protection: Goggles recommended during refilling

09 PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Form : Paste

Odour : Acetic acid

Colour : Various colours

Explosive properties : No

Specific Gravity : 0,96 – 0,98

Oxidizing properties : No

Stability: Stable under normal usage conditions.

10 STABILITY AND REACTIVITY

10.1 Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.2 Dangerous reactions: No dangerous reactions known.

10.3 Dangerous decomposition products: Acetic acid

MATERIAL SAFETY DATA SHEET

(MSDS) According to EC Regulation 1907/2006/EEC and Subsequent Amendments

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Revision Date and No: 05/10/2010 – AQGBF: 100

11 TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

LD/LC50 values relevant for classification:

64742-46-7 Distillates (petroleum), hydrotreated middle

Oral LD50 >2000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

11.2 Primary irritant effect:

11.2.1 On the skin: Can irritate on prolonged or repeated contact.

11.2.2 On the eye: Vapors released during curing may cause eye irritation.

11.2.3 On ingestion: Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.

11.2.4 Other Health Hazard Information: This product contains (a) powder(s) hazardous by inhalation. This is not relevant to the current physical form of the product, which is not in a respirable form.

12 ECOLOGICAL INFORMATION

12.1 Environmental fate and distribution

Solid material, insoluble in water. No adverse effects are predicted.

12.2 Ecotoxicity effects

No adverse effects on aquatic organisms are predicted.

12.3 Bioaccumulation: No bioaccumulation potential.

12.4 Fate and effects in waste water treatment plants

No adverse effects on bacteria are predicted.

13 DISPOSAL CONSIDERATIONS

13.1 Product disposal: Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

13.2 Packaging disposal: Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14 TRANSPORT INFORMATION

Road / Rail (ADR/RID)

Not subject to ADR/RID.

Sea transport (IMDG)

Not subject to IMDG code.

Air transport (IATA)

Not subject to IATA regulations.

15 REGULATORY INFORMATION

15.1 Risk Phrases

R14 Reacts violently with water

R34 Causes burns

R36/37/38 Irritating to eyes, respiratory system and skin.

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15.2 Safety Phrases

S24 Avoid contact with skin.

S51 Use only in well-ventilated areas.

15.3 Special labeling of certain preparations:

Ozone depleting chemicals: No ozone depleting chemicals are present or used in manufacture.

16 OTHER INFORMATION

All information and instructions provided in this Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS. The company supplying entity shall not be held responsible for any defect in the product covered by this MSDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

Department issuing MSDS: Product safety department.

Contact: Product safety department info@akkim.net