



SAFETY DATASHEET

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

Aquarium Silicone 579

Date of issue: 01-12-08
Replaces (previous issues): 30-01-03

Product codes:
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Company: Dana Lim A/S, Københavnsvej 220, DK-4600 Køge, Denmark
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Emergency phone number:
(+45) 82 12 12 12

Type: Elastic one-component acetic curing silicone sealant.

Intended use:
Sealant for aquariums etc.
For technical information see Product Information.

2. Hazards identification:

The product is not classified as dangerous. No classification and labelling.

Acetic acid is released during vulcanisation.
May cause a light irritation of skin, eyes and respiratory organ.

3. Composition/information on ingredients:

Classification according to Danish / EC legislation:

Name:	Conc.:	Symbol:	R-phrases*:
Methyltriacetoxysilane	<3%	C	R14-22-34
EINECS: 224-221-9			
CAS: 4253-34-3			

During vulcanisation and on contact with humidity the product releases:

Name:	Conc.:	Symbol:	R-phrases*:
Acetic acid	-	C	R10-35
EINECS: 200-580-7			
CAS: 64-19-7			

(* For full text see Section 16

4. First aid measures:

General:

In all cases of doubt, seek medical attention. Bring this safety data sheet.

Inhalation:

Seek fresh air. Seek medical advice if inconvenience persists.

Eye contact:

After separating the eyelids flush with copious amounts of water, at least 15 min. Remove contact lenses. Seek medical advice if irritation persists.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do not use solvents or thinner.

Ingestion:

Rinse out mouth with water and drink plenty of water. Do not induce vomiting. Keep affected person under surveillance. Seek medical advice.

5. Fire-fighting measures:

Extinguishing media: Foam, CO₂, powder or water spray. Do not use water jet, which spread the fire.

Cool closed containers exposed to fire with water spray.

In case of heating and fire silica dust and hazardous and inflammable vapours may be produced. Appropriate self-containing breathing apparatus is required.

6. Accidental release measures:

Provide adequate ventilation. Avoid skin and eye contact. See protective measures listed in section 8.

Contain and collect spillages with e.g. scraper or shovel and place in a suitable container for disposal in accordance with the waste regulations (see section 13).

Clean preferably with a detergent, avoid the use of solvents.

Do not allow product to enter drains or watercourses.

7. Handling and storage:

Handling:

Provide adequate ventilation. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in areas of storage and use.
For personal protection see section 8.

Storage:

The product should be kept out of reach of children, in well-closed containers according to national or local regulations in a dry, well-ventilated place.

8. Exposure controls / personal protection:**Technical facility design:**

All work shall be arranged so that inhalation of vapours and also smudge of the skin are reduced to a minimum. Provide adequate ventilation. If it is possible local exhaust ventilation and good general extraction should be used.

If exposure cannot be kept under the occupational exposure limits by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Occupational exposure limits:

Name:	ppm	mg/m ³
Acetic acid	10	25

The list valid during the compilation (Danish list, August 2007) was used as basis.

Personal protection:

Please contact your supplier of equipment for personal protection for further guidance when choosing equipment for the working situation in question.

Respiratory protective equipment:

Use suitable respiratory equipment (gas filter A or E) at concentrations above the occupational exposure limits.

Hand protection:

Avoid skin contact. Use suitable protective gloves (e.g. nitril) if there is a risk of skin contact.

Eye protection:

Avoid eye contact. Use suitable eye protection if there is a risk of splashes.

Skin protection:

Skin exposure should be reduced to a minimum. Use if necessary protective clothing.

9. Physical and chemical properties:

Physical state:	Thixotropic paste
Colour:	Transparent, black
Flash point:	>150°C
Density, g/ml:	1,04 (20°C)
Water solubility:	Approx. insoluble
Weight% organic solvents:	-
Product, Flammable liquid of class:	None

10. Stability and reactivity:

Stable at room temperature protected against moisture.

Cures in contact with humidity under the release of acetic acid (<3% of product weight).

If exposed to high temperatures (>200°C), hazardous decomposition products may be produced (CO, CO₂, SiO₂).

11. Toxicological information:

Inhalation: Exposure to vapours may cause irritation of the respiratory system.

Skin: Repeated and prolonged skin contact may cause irritation.

Eyes: In case of contact with eyes irritation may occur.

Ingestion by accident: Can cause pain in the stomach.

12. Ecological information:

Mobility: Almost insoluble in water. Sediment easily. Not biodegradable and bioaccumulable.

Acetic acid:

EC50 (Daphnia magna)/24 h: 150 mg/l

LC50 fish: Pimephales promelas/96 h: 88 mg/l

13. Disposal considerations:

Wastes should be disposed of according to national or local regulations.

EAK-code: 08 04 02

14. Transport information:

The product is not classified as dangerous for carriage.

ADR/RID: Class: - Pk.gr: -

IMDG: Class: - Pk.gr: -
EmS: - MP: -

ICAO/IATA: Class: - Pk.gr: -

15. Regulatory information:

This product has been classified in accordance with Danish and EC Directives on hazardous materials.

Hazard symbol: The product is not classified as dangerous. No classification and labelling.

Contains: -

R-phrases: -

S-phrases: -

Application restriction: -

16. Other information:

Text of R-phrases listed in section 2:

R10:	Flammable
R14:	Reacts violently with water.
R22:	Harmful if swallowed
R34:	Causes burns
R35:	Causes severe burns

The information contained in this safety datasheet is based on present state of knowledge and current EC and Danish legislation.

The product should not be used for purposes other than those shown in section 1.

As the specific condition of use of the product is outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information in this safety datasheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitable for particular applications.

In case of medical attention, bring this safety datasheet.