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MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

PRODUCT NAME: **GLUEDEVIL SILICONE SEALER**

PRODUCT: **SILICONE**

2. COMPOSITION / INFORMATION ON INGREDIENTS:

>>PREPARATION

Chemical nature **Blend based on:**

Crosslinkerhous silicalmethyloxanes, amorphous silica and crosslinker.

Components presenting hazards **Alkyltriacetoxysilanes (CAS: 4253-34-3 & 17689-77-9) :<5% - EEC**

Classification: C – R34

Tributyltin Benzoate (CAS: 4342-36-3): 0.25% - EEC
Classification: T: R21-25-36/38-48/23/25.

C15-19 Alkane (CAS: 64742-46-7) :<25% - EEC

Classification Xn –R65

>>Further information **During use, acetic acid is released (CAS: 64-19-7)**

3. HAZARDS IDENTIFICATION:

MOST IMPORTANT HAZARDS

Adverse human health effects **Slightly irritating to eyes, respiratory system and skin.**

Environmental effects **Presents no particular risk to the environment, provided the disposal**



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requirements (see section 13) and national or local regulations are complied with.

Physical and chemical hazards

- Fire or explosion
- Further hazards

Combustible.
on contact with humidity:
irritating vapours are released.

Classification / Specific hazards

According to EEC criteria, this product is not classified as a "hazardous preparation".

Further information

After drying, may stick to the skin.

4. FIRST -AID MEASURES:

Inhalation

Move to the fresh air.
If irritation persists, consult a doctor.

Skin contact

Wipe off as much as possible (use a clean, soft, absorbent material).
Wash immediately with plenty of soap and water.

Eye contact

Immediately rinse with water for a prolonged period whilst keeping the eyes wide open.
If irritation persists, consult an eye specialist.

Ingestion

Consult a doctor if necessary.

5. FIRE – FIGHTING MEASURES:

Extinguishing media

-Suitable

- Carbon dioxide (CO2)
- Foam.
- Powders.
- Water spray.



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Not Suitable

None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

Specific hazards

Combustible.
For further information, refer to section 10: "Stability and Reactivity".

Specific fire-fighting methods

Cool down the containers / equipment exposed to heat with a water spray.

Protection of fire fighters

Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions

Avoid contact with skin and eyes.
Do not breathe vapours.
Protective equipment:
For further information refer to section 8 "Exposure-controls / personal protection".
Mechanically ventilate the spillage area.

Environmental precautions

This product does not present any particular risk for the environment.

Methods for cleaning up

-Recovery

Recover the product by scrapping with a spatula or a similar instrument.
Collect up the product and place it in a spare container: - suitability labelled.
-tightly closed.

Neutralization

Absorb residues with:
-inert absorbent material.

-Cleaning / Decontamination

Decontaminate and wash the floor with:



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-an appropriate solvent. (cf.: § 9) then wash with plenty of water.

for disposal of solid materials refer to section 13 "Disposable considerations".

-Disposal

7. HANDLING AND STORAGE:

HANDLING

Technical measures

Ventilation.

Measures

Do not exceed the occupational exposure limits (OEL).

Safe handling advice

Comply with instructions for use (refer to technical sheet).

Work outside or in a well-ventilated room.

STORAGE

Technical measures

Does not require any specific or particular technical measures.

Storage conditions

-Recommended

Keep:

- only in the original container
- the container tightly closed and dry.

Incompatible products

Strong oxidizing agents.

Packaging

-Polyethylene liner in a metal drum varnished with epikote

Packaging materials

-Recommended

Polyethylene coated metals.

Further information

the product polymerises on contact with air.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Engineering measures

Ensure good ventilation of the work station

Control parameters



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Occupational exposure limits

- limits (France) Acetic acid: VLE:25mg/m3 (10ppm)
- limits (U.S.A./ A.C.G.I.H.) Acetic acid: VLV (TWA) =25mg/m3 (10ppm)
Acetic acid: VLV (STEL) =37mg/m3 (15ppm)

Surveillance procedures Measure the concentration in the atmosphere. Personal protective equipment

- Respiratory protection in the event of insufficient ventilation:
Respiratory protective device with a gas filter.
- Hand protection Protective gloves made of rubber.
- Eye protection Safety spectacles.
- Collective emergency equipment Eye fountain.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE

- Physical state Thixotropic paste -Colour translucent or pigmented.

Odour of vinegar. pH Not applicable

Specific temperatures

Decomposition temperature > 200°c.

Flammability characteristics

-Flash point >150°c (closed cup, according to method Afnor T 60103).

Oxidizing properties Non oxidizing material according to EEC criteria.

Specific gravity Approx. 1040 kg/m3 at 25°c

Solubility
-in water Practically insoluble.



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-in organic solvents

Insoluble in:

- acetone
 - alcohol (ethanol)
- Dispersible (partial solubilisation) in:
- petrol.
 - white-spirit.
 - aromatic hydrocarbons (toluene, xylene).
 - chlorinated solvents

10. STABILITY AND REACTIVITY:

Stability

Stable at room temperature provided it is not on contact with air.
Vulcanises at room temperature on contact with moisture in the air.

Hazardous reactions

-Conditions to avoid

No dangerous reactions known under normal conditions of use.
See technical data sheet.

- Hazardous decomposition products

During Vulcanisation, acetic acid is released.
(quantity potentially released: <3% of product weight).
On combustion forms:
(Carbon oxides (CO + CO₂)).
Amorphous silica

11. TOXICOLOGICAL INFORMATION:

Acute toxicity

(Acetic acid).
LC 50 inhalation (Mouse) / 1h: 14 mg/l.
(Published data)

Local effects

Repeated or prolonged contact may cause slight irritation to the skin.
May cause slight temporary irritation to ocular mucous membranes.

Sensitisation

No information available.

Specific effects

-Mutagenicity

No information available.

Further information

At high concentrations, the vapours can be irritating to the respiratory



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System.

12. ECOLOGICAL INFORMATION:

MOBILITY

Precipitation

Slightly soluble product, readily forms deposits.

Expected behavior of the product

Ultimate destination of the product: Soil and Sediment.

BIODEGRADABILITY

-Ultimate aerobic biodegradability

Not biodegradable

BIOACCUMULATION

Bioconcentration factor.

Not bioaccumulable.

ECOTOXICITY

Effects on the aquatic environment

Acetic acid:

EC 50 (Daphnia: Daphnia magna) 24 h: 150 mg/l.

LC 50 (Fish: Pimephales promelas) / 96h: 88mg/l.

13. DISPOSAL CONSIDERATIONS:

WASTE FROM RESIDUES

Destruction / Disposal

Dispose of at a licensed waste collection point.

CONTAMINATED PACKAGING

Decontamination / cleaning

Separate the different packaging components and treat them separately:

Destruction / Disposal

Incinerate plastic packaging at a licensed installation.

Entrust the uncontaminated packaging to a licensed waste contractor.

Following decontamination, re-use or recycle metal packaging.

Disposable containers:

Incinerate at a licensed installation.



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NOTE The user's attention is drawn to the possible existence of local Regulations regarding disposal.

14. TRANSPORT INFORMATION:

INTERNAL REGULATIONS

Land

-Rail/road (RID/ADR) NOT restricted

Sea (IMO/IMDG) NOT restricted

Air (ICAO-IATA) NOT restricted

OTHER REGULATIONS

-France: Rail/road (RID? ADR) NOT restricted

NOTE

The above regulatory prescriptions are those valid on the date of Publication of this sheet.

Given the possible evolution of transport regulations for hazardous Materials, it would be advisable to check their validity with your sales Office.

15. REGULATORY INFORMATION:

LABELLING

EEC regulations Mandatory labelling (self-classification) of hazardous preparations:
NOT applicable.

NOTE The regulatory information given above only indicates the principal)

Regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible Existence of additional provisions which complete these regulations.



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Refer to all applicable national, international and local regulations or Provisions.

16. OTHER INFORMATION:

Uses

-Recommended uses

Used for making joints, sealing and gluing.

(For further information, refer to the product technical data sheet).

-Prohibited uses

This product is only intended for industrial use.

- European inventory (EINECS, ELINCS)

These polymers are not concerned by the EINC inventory.

The corresponding monomers are registered in the EINECS Inventory.

All the other constituents of this preparation are registered in the EINECS inventory.

-American inventory (TSCA)

All the components of this preparation are registered in the TSCA inventory.

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