

Safety Data Sheet according to Regulation (EC) nr. 1907/2006 dated 18 December 2006 as carried out by the Law dated 6 April 2007, nr.46

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifier

Trade name: 30 SIL

Substance name: Amorphous silicon dioxide solution

1.2. Relevant identified uses of the substance preparation

Use of the Substance/mixture: Industrial intermediate product for enological use

1.3. Details of the supplier of the safety data sheet

DISTRIBUTOR:: ENOLOGICA VASON spa- Loc. Nassar 37
37029 SAN PIETRO IN CARIANO (VR) ITALY
tel.045-6859017 – fax. 045-7725188
www.vason.com

e-mail: info@vason.com

Emergency telephone number: +39-045-6859017

2.HAZARD IDENTIFICATION

2.1. Hazard designation

Not necessary since 30 SIL is not a hazardous preparation according to Directive 67/548/EEC or 1999/45/EC.

2.2. Specific hazard information for human health and environment:

May irritate skin and eyes

3. COMPOSITION – INFORMATION ON INGREDIENTS

3.1. Chemical characterisation:

Preparation according to directive 91/155/EC Amorphous silicon dioxide (CAS No: 7631-86-9; EINECS No. 231-545-4) and Water (CAS No: 7732-18-5; EINECS No. 231-791-2)

3.2. Hazardous ingredients:

No hazardous ingredients in the sense of Directives 67/548/EEC and 1999/45/EC

4. FIRST AID MEASURES

General advice:

Remove soiled/dirty clothing, brush well and wash carefully.

Inhalation:

Get the patient into the fresh air. Rinse the nose and mouth with water if the patient inhales large quantities.

Skin contact:

Wash immediately with lots of water, apply a moisturising cream. Remove contaminated clothing and wash before re-use.

Eye contact:

Rinse immediately with tap water for 10 minutes – open eyelids forcibly.

Ingestion:

Rinse mouth with water. Then drink lots of water.

Information for the physician:

40 SIL colloidal silica is a non-toxic substance which is slightly alkaline.

5. FIRE FIGHTING MEASURES

Appropriate fire extinguishing materials:

Foam, Carbon dioxide (CO₂), Water spray jet, water fog.

Inappropriate fire extinguishing materials for safety reasons:

None

Special hazards arising from the substance or mixture:

None

Specific protective gear:

Not necessary

6. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL RELEASE

Precautionary measures for the personnel:

Wear personal safety equipment.

Precautionary measures for the environment:

Do not allow the product to get into sewers or open water.

Clean-up methods:

Absorb the product using fluid-binding material (kieselguhr or sawdust) and dispose of correctly.

7. HANDLING AND STORAGE

Handling:

Precautions for safe handling:

Avoid contact with the eyes, skin and clothing. Keep containers sealed, clean tools immediately after use with water to prevent encrustation.

Fire and explosion prevention:

The product is non-flammable and not explosive.

Storage:

Requirements on storage rooms and containers:

Store in sealed, alkali-resistant containers, if possible away from all light and in temperatures between 5 and 25°C.

Further information on storage conditions:

Protect from frost

8. CONTROL OF EXPOSURE AND PERSONAL PROTECTION

8.1. Exposure limit values

There are no special exposure limits for 40 SIL. Avoid the formation of fine dust. A general occupational exposure limit (OEL) value of 4 g/m³ applies to such dust.

8.2. Exposure controls

Occupational exposure controls:

The product does not contain any relevant quantities of substances with specific exposure limit values that require monitoring.

Respiratory protection: No special respiratory protection equipment is required if the product is used correctly. If it is not possible to avoid fine dust, a suitable dust filter (P2) must be used.

Hand protection: Use safety gloves made of rubber or stable material (for example nitrile). Use glove material that complies with EN 388 and EN 420 (minimum requirement class 1).

Eye protection: Wear safety goggles if there is a risk of splashing/spraying.

Skin protection: No special skin protection is required if the product is used correctly.

Environmental exposure controls:

40 SIL does not pose any danger to the environment. Nevertheless unnecessary environmental contamination should be avoided by adopting proper handling procedures.

9. CHEMICAL PHYSICAL CHARACTERISTICS

- Appearance:	Fluid
- Colour:	opalescent to milk
- Odour:	odourless.
- pH value	9-11
- Melting point/range	0°C;
- Boiling point/boiling range:	100°C;
- Flammability	not flammable and not fire promoting
- Explosive properties:	Not explosive
- Oxidising properties:	Not oxidising

- Bulk density:	1,211-1,225 g/cm ³
- Solubility at 20°C:	
in water:	Unlimited
in other solvents:	Partially miscible

10. STABILITY AND REACTIVITY**Conditions to be avoided:**

Drying, frost

Materials to avoided:

Cationic agents, electrolyte in large quantities

Hazardous decomposition products:

No hazardous decomposition products known

11. TOXICOLOGICAL INFORMATION**11.1. Acute toxicity:**

LD 50/oral/rat: > 10000 mg/kg *)

LC 50/inhal./rat: 0.139 mg/l/14h *) *) Based on similar products

11.2. Primary irritation effect:

May cause skin and eye irritation.

11.3. Sensitisation:

No sensitising effect is known.

12. ECOLOGICAL INFORMATION

The following information relates to the product as supplied, not contaminated by use.

12.1. Eco-toxicity:

The product is a weak alkaline solution. Neutralisation is normally required.

12.2. Mobility:

Because of fully miscibility with water do not allow the product to get into sewers or open water.

12.3. Persistence and degradability:

No biological degradation of the product may be expected.

12.4. Bioaccumulative potential:

No bioaccumulating potential is known.

12.5. Other adverse effects:

40 SIL has no known adverse effects.

13. DISPOSAL**13.1. Product:**

Recommendation:

Disposal is regulated by the Federal and state waste disposal laws and the relevant directives issued in conjunction with them. Contact the relevant authority for further information about waste disposal.

European Waste Catalogue:

Code: 06 03 14 Solid salt and fluids

13.2. Contaminated packaging:

Recommendation:

Cleaned packaging may be submitted for recycling.

Recommended cleaning product:

Rinse with water.

14. INFORMATION CONCERNING TRANSPORTATION

Product is not dangerous in regards of transportation norms.

15. INFORMAZIONI SULLA REGOLAMENTAZIONE

Safety data sheets according to regulation (EC) n. 1907/2006.

16. ADDITIONAL INFORMATION

Additional information:

Material Safety Data Sheet: 30 SIL



Enologica Vason holds training meetings concerning the knowledge and safe use of its preparations.

This information is based on knowledge updated on the date of emission and/or revision. It refers only to the product indicated and does not constitute specifications or a guarantee of quality.

Emitted on: 23/08/2011

This data sheet annuls and replaces all earlier editions.