

winemaker inc.

industries (manufacturing) | ingredients (formulations) | international

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Updated: August 30, 2010

MSDS SHEET

1. Identification of the substance/preparation

Product Name: Super-Kleer K.C.™ (Product #13341, #13341B)
Product Description: Wine Fining Clarifier (FCC grade)
Synonyms: Kieselsol (A) / Chitosan (B) Solutions

2. Composition/Information on substance

Chemical Compositions (A): Water, chitosan acetate 1.5% (β -1,4-Poly-D-glucosamine - derived from crab and shrimp shells), malic acid.

CAS No.: 9012-71-4, 64-19-7

Classification: N/A

Risk Phrases: N/A

Safety Phrases: N/A

Chemical Compositions (B): Water, silicic acid (30%)

CAS No.: 1344-09-8

Classification: N/A

Risk Phrases: N/A

Safety Phrases: N/A

3. Hazard Identification

Inhalation: No observable effects.

Ingestion: No observable effects.

Eye Contact: Mild irritation may occur.

Skin Contact: May cause mild irritation if contact with skin is prolonged.

Other information: Unlikely to cause harmful effects under normal conditions of handling and use.

4. First Aid Measures

Inhalation: Remove to fresh air. If recovery is not rapid or complete, seek medical attention.

Ingestion: Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

Eye Contact: Irrigate thoroughly with water for at least 15 minutes. If irritation persists obtain medical attention.

Skin Contact: Rinse with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention.

5. Fire Fighting Measures

Fire extinguishing media: Use extinguishers suitable to cause of fire.
Special fire fighting procedures: None

6. Accidental Release Measures

Personal Precautions: Wear suitable protective clothing; safety goggles and gloves.
Environmental Precautions: N/A
Methods for Cleaning: Collect spillages on sand or proprietary absorbant. Flush away residues with water.

7. Handling & Storage

Handling: Prevent unnecessary contact with eyes or skin. Wear suitable protective clothing.
Storage: Store under cool dry conditions.

8. Exposure Controls/Personal Protection

Exposure Limits: Not known
Personal Protection:
Respiratory Protection: Not required.
Hand Protection: Gloves.
Eye Protection: Safety Goggles.
Body Protection: Not required.

9. Physical & Chemical Properties (A)

Appearance: White liquid.
Odour: Odourless.
pH: 9-10 (original solution at 20°C)
Boiling Point: 100°C
Freezing Point: 0°C
Flash Point: N/A
Flammability: Non-flammable.
Relative Density: 1.10-1.20 g/cm³
Solubility: Miscible in water.

9. Physical & Chemical Properties (B)

Appearance: Clear viscous liquid.
Odour: Odourless.
pH: 2.3 - 2.6 (original solution at 20°C)
Boiling Point: 100°C
Freezing Point: 0°C
Flash Point: N/A
Flammability: Non-flammable.
Relative Density: 1.02 g/cm³
Solubility: Miscible in water.

10. Stability & Reactivity

<i>Stability:</i>	Stable.
<i>Conditions to Avoid:</i>	Avoid elevated temperatures of >280°C.
<i>Materials to Avoid:</i>	Strong oxidants.
<i>Hazardous Decomposition:</i>	None.
<i>By-Products:</i>	None.

11. Toxicological Information

This product is not considered to be toxic.

12. Ecological Information

This product does not pose an ecological risk, though it should be disposed of in a responsible manner.

No data on Aquatic or vegetable toxicity.

13. Disposal Consideration

There are no special considerations beyond those normally applied to waste disposal.

14. Transport Information

Do not store to transport below 5°C.

15. Regulatory Information

No information is available.

The information contained in this data sheet has been compiled by Winemaker Inc. to the best of its own knowledge and of available reliable data.

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