



Material Safety Data Sheet (MSDS)

Issue/Revision Date: 3 February 2014

Section 1. Product and Company Information

Chemical Name: Dilute acetic acid, 4 to 10% by volume
Synonym(s): None
Tradename(s): Distilled white vinegar, Full Disclosure Extraction Solution #2
Catalog No.: 550-021, also component of 550-001 and 550-002

Company: SKC Inc.
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Section 2. Composition/Information on Ingredient(s)

Chemical Name	Formula	CAS #	OSHA PEL	ACGIH® TLV®
Acetic acid, 4 to 10% by volume	CH ₃ COOH	8028-52-2	None	None

Section 3. Hazards Identification

LD50 LC50 Mixture: None specified by manufacturer

Route of Entry Indicators

Eye Contact: Yes
Inhalation: Yes
Skin Contact: Yes
Ingestion: Yes

Carcinogenicity Indicators

NTP: No
IARC: No
OSHA: No

Effects of Exposure

Inhalation: Prolonged inhalation of vapors can cause irritation to respiratory tract.
Eyes: Will cause eye irritation (smarting and reddening of the eye)

Explanation of Carcinogenicity: Not relevant

Signs and Symptoms of

Overexposure: See Effects of Exposure.

Medical Conditions Aggravated

by Exposure: None specified by manufacturer

Section 4. First Aid Measures

Inhalation

Remove to fresh air. Support breathing (give oxygen/artificial respiration).

Skin

Flush with copious amounts of water. Call physician.

Eye

Flush immediately and thoroughly with water for at least 15 to 20 minutes (timed by a clock). Call a physician.

Ingestion

Large amounts of water should be consumed to dilute. Do **not** induce vomiting. Do **not** give emetics or baking soda. Call a physician.

Section 5. Fire Fighting Measures

Flash Point: N/A
Auto-ignition Temperature: N/A
Flammability: N/A

Extinguishing Media: Media suitable for surrounding fire
Firefighting Procedures: Use NIOSH/MSHA-approved SCBA and full protective equipment.
Unusual Fire Explosion Hazard: None specified by manufacturer

Section 6. Accidental Release Measures

Spill Release Procedures: If spilled, water may be used to dilute.
Neutralizing Agent: None specified by manufacturer

Section 7. Handling and Storage

Handling and Storage
Precautions: None specified by manufacturer
Other Precautions: None specified by manufacturer

Section 8. Exposure Controls/Personal Protective Equipment (PPE)

Respiratory Protection: NIOSH/MSHA-approved respirator appropriate for exposure of concern
Ventilation: General
Protective Gloves: None specified by manufacturer
Eye Protection: Recommended
Other Protective Equipment: None specified by manufacturer
Work Hygienic Practices: None specified by manufacturer
Supplemental Safety and Health: PH: 2.2 @ 100 grain

Section 9. Physical/Chemical Properties

Appearance: Clear liquid
Odor: Vinegar Odor Threshold: 1.0 ppm

Chemical Properties

Property	Value
Boiling Point	224 F (106 C)
Vapor Pressure (mm Hg)	11 mm
Vapor Density	2.1 (Air=1)
Specific Gravity	1.01
PH	2.2 @ 100 grain
Evaporation Rate/Ref	Not Known
Solubility in Water	Complete

Note: No further properties were reported by chemical supplier.

Section 10. Stability and Reactivity

Stability Indicator: Yes
Stability Condition to Avoid: None specified by manufacturer
Materials to Avoid: Strong oxidizing agents, strong bases
Hazardous Decomposition Products: None specified by manufacturer
Hazardous Polymerization Indicator: No
Conditions to Avoid Polymerization: Not relevant

Section 11. Toxicological Information

No data available from chemical supplier

Section 12. Ecological Information

No data available from chemical supplier

Section 13. Disposal Considerations

Disposal must be in accordance with federal, state, and local regulations.

Section 14. Transport Information

No data available from chemical supplier

Section 15. Regulatory Information

No data available from chemical supplier

Section 16. Other Information

Disclaimer

For approved uses only

The above information is believed to be correct, but does not purport to be all-inclusive and shall be used only as a guide. SKC Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Section 10: Safety and Security

1. All employees must adhere to the safety protocols outlined in the handbook. Failure to do so may result in disciplinary action.

Section 11: Technical Information

1. All technical information is confidential and should be handled accordingly.

Section 12: Physical Information

1. All physical information is confidential and should be handled accordingly.

Section 13: Digital Information

1. All digital information is confidential and should be handled accordingly.

Section 14: Internal Information

1. All internal information is confidential and should be handled accordingly.

Section 15: External Information

1. All external information is confidential and should be handled accordingly.

Section 16: Other Information

1. All other information is confidential and should be handled accordingly.

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