



Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

REVISION DATE: 05/20/2005
SUPERCEDES: None
SYNONYMS: None

Vapon, Inc.
299-B Fairfield Avenue - Fairfield - NJ 07004 - 1-800-443-8856

Customer service telephone: 1-800-443-6656
Emergency telephone number: 1-800-443-6656

Product name: Chromatone - CS

2. HAZARDS IDENTIFICATION

Emergency overview: Flammable.
Inhalation of high vapor concentrations can cause CNS-depression and narcosis
Avoid contact with skin and eyes.

This material is a controlled product under WHMIS.

Properties affecting health: Irritating to eyes.

Principle routes of exposure:

Eye Contact: Moderate eye irritation.
Skin contact: May cause skin irritation or acute contact dermatitis. May aggravate pre-existing dermatitis
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion causes, dependent on amounts, emotional liability to narcotic toxic effects.
Inhalation: May affect the central nervous system. May cause irritation to the upper respiratory tract.

Physico-chemical properties: In use, may form flammable/explosive vapor-air mixture.

Hazard information:

Target organ effects: Eyes
CNS
Liver
Reproductive effects: May cause harm to the unborn child.
Mutagenic effects: Unknown on product.
Sensitization: Sensitization is not expected.

Components	CAS Number	J & J
Alcohol Denatured	64-17-5	O

Signs and symptoms: Prolonged skin contact may cause skin irritation and/or dermatitis

Medical conditions aggravated by exposure: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %
Alcohol Denatured	64-17-5	NF



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4. FIRST AID MEASURES

Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.
Skin contact:	If a person feels unwell or symptoms of skin irritation appear, consult a physician. Wash contaminated areas thoroughly with soap and water.
Ingestion:	Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Immediately give large quantities of water to drink. Never give anything by mouth to an unconscious person.
Inhalation:	Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use dry chemical, CO2 water fog or alcohol foam.
Extinguishing media which must not be used for safety reasons:	None.
Special protective equipment for firefighters:	Wear self-contained breathing apparatus and protective suit.
Specific methods:	Use water spray to cool fire-exposed containers. This material creates a fire hazard because it floats on water.
Hazardous combustion products:	Carbon dioxide and carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear eye and skin protection. Ensure adequate ventilation.
Environmental precautions:	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations. Collect and discard into appropriate container, then dispose of in accordance with all applicable federal, state and local regulations.
Methods for cleaning up:	Clean contaminated surface thoroughly. Wear protective gloves and clothing. All waste must be placed in a sealable, properly labeled waste disposal bag. Keep away from sources of ignition - No smoking

7. HANDLING AND STORAGE

Handling:	
Technical measures/precautions:	Wear protective safety glasses, gloves and clothing.
Safe handling advice:	Wear disposable gloves while handling reagents. Thoroughly wash hands afterwards. Avoid contact with skin and eyes.
Storage:	
Technical measures/storage conditions:	Keep containers tightly closed in a cool, well-ventilated place. Avoid contact with heat, sparks, flames or other sources of ignition. Do not overheat containers-store in a cool, dry area.
Incompatible products:	Keep away from sources of ignition or fires., Strong oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits



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Components	ACGIH (TWA - 8hr)	ACGIH (STEL)	ACGIH (Ceiling)	OSHA (TWA - 8hr)	OSHA (STEL)	OSHA (Ceiling)
Alcohol Denatured (NF%) 64-17-5	1000 ppm			1900 mg/m ³ 1000 ppm		

Engineering controls: Ensure adequate ventilation.

Personal protective equipment

Eye protection: Wear safety glasses with side-shields.
Hand protection: Impervious butyl rubber gloves
Skin and body protection: Wear suitable protective clothing. Wear suitable gloves and eye/face protection.
Respiratory protection: Do not breathe vapors or spray. In case of insufficient ventilation wear suitable respiratory equipment. An approved organic vapor/acid gas respirator for small spills. When handling large quantities, use powered air-purifying respirators equipped with European standard EN 141, EN 371 and EN 372 filters or air-supplied hood, helmet or hard cap.
Other/general protection: None.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical state: Liquid
Color: Colorless
Odor: Alcoholic Characteristic Odor

Important Health Safety and Environmental Information

Flash point:	58 °F 14 °C	Boiling point/range:	173 °F 83 °C
Specific gravity:	0.79	Density (20/4):	6.6 #/G
Vapor density:	1.6 (AIR = 1)	Vapor pressure:	44.5 mmHg
Evaporation rate:	2.3	Water solubility:	Soluble
Voc content (%):	60 - 90		

Other information

Melting point/range: -173 °F -114 °C
Explosivity: Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits.
Flammable limits in air - lower (%): 3.3
Flammable limits in air - upper (%): 19

10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.
Materials to avoid: Strong oxidants.
Conditions to avoid: Keep away from heat and sources of ignition
Hazardous polymerization: Hazardous polymerization does not occur.
Hazardous decomposition products: Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Eye contact: Irritating to the eyes.
Skin contact: May cause skin irritation.
Ingestion: May be harmful if swallowed.
Inhalation: May cause irritation to the upper respiratory tract.



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LD50/oral/rat (mg/kg) = >5000 (Ethyl alcohol)
LD50 Dermal Rabbit (mg/kg): > 10,000 mg/kg (Ethyl alcohol)

Sub chronic toxicity

Chronic toxicity

Inhalation: Central nervous system effects.

Specific effects

Sensitization: No effects expected.
Target organ effects: Eyes
CNS
Liver

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: This product has no known eco-toxicological effects.
Aquatic toxicity effects: This product has no known aquatic toxicological effects.

Mobility: Disperses rapidly in air. The product evaporates readily.
Persistence / degradability: Slowly decomposes.
Bioaccumulation: No data available.
Degradation: No data available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: This product is a hazardous waste as defined under RCRA (EPA). Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.
Contaminated packaging: Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

14. TRANSPORT INFORMATION

DOT shipping name: Aerosols, flammable
Hazard class: 3
Packing group: PG II
ID/UN No.: UN 1950
IATA - label: Flammable liquid

15. REGULATORY INFORMATION

Components	CAS Number	SARA 313	SARA 302	CERCLA	CEPA
Alcohol Denatured (NF%)	64-17-5			Listed.	

SARA (311, 312) hazard class

Immediate health: Yes.
Delayed health: Yes.
Fire: Yes



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Sudden Release of Pressure Hazard: None.
Reactivity: None.

State Regulations

Components	CAS Number	NJRTK	PARTK	MARTK	RIRTK
Alcohol Denatured (NF%)	64-17-5	Listed.	Listed.	Listed.	Listed.

International Inventories

Components	TSCA	DSL	NDSL
Alcohol Denatured (NF%)	Listed.	Listed.	

WHMIS:

WHMIS trade secret: None.
WHMIS hazard class: B2 Flammable Liquids



Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

This data sheet contains changes from the previous version in section(s):

None.

MSDS format: North American Format - U.S. and Canada
This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

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End of Safety Data Sheet