

SAFETY DATA SHEET

HMIS: Health- 1 Flammability- 1 Reactivity- 0 Pers. Protection- N
NFPA: Health- 1 Flammability- 1 Reactivity- 0 Special Hazard- N
WHMIS: B 3, D 2 B

Section 1: Product and Company Identification

Product: Super Concentrated Water Soluble Deodorizer
Synonyms:
Hillyard Industries
P. O. Box 11249
Lexington KY 40574-1249
Non-Emergency: US 859-252-7511
24 hr Emergency Spill Information: Chem-Tel, Inc. 800-255-3924
International Chem-Tel 813-248-0584 Chem-Tel, Inc.

Section 2. Hazards Identification

EMERGENCY OVERVIEW

Appearance/Odor: Blue-green liquid, spicy aroma
Classified as hazardous by the criteria of NOHSC.



WARNING

Flammability : R 10: Flammable Liquid
Health Hazards Listed : May be a mild irritant
Ecological Hazards Listed : None known
Potential Health Effects: See section 11 for more information.

Risk Phrases: R36/37/38 - Irritating to eyes, respiratory system and skin

Safety Phrases: S13 - Keep away from food, drink and animal feedingstuffs
S37/39 - Wear suitable gloves and eye/face protection

Hazard Phrases: H335 - May cause respiratory irritation

Precautionary Phrases: P233 - Keep container tightly closed.
P234 - Keep only in original container.
P235 - Keep cool.

Likely Routes of Exposure: Skin, eyes

Eye: Direct exposure can irritate
 Skin: Prolonged or repeated exposure can irritate
 Ingestion: Not expected to be a problem
 Inhalation: Not likely to be a problem

Medical Conditions Aggravated By Exposure:

Allergies to fragrances

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: (See section 12 for more information.)

None known

Section 3. Composition/Information on Ingredients

Component	CAS#	% by Weight	WHMIS Controlled
Water	7732-18-5	40 - 60	N
Ethanol	64-17-5	1 - 5	Y
Cinnamaldehyde	104-55-2	1 - 5	Y
n-Pentyl Acetate	628-63-7	0.5 - 1.5	Y
Methyl Salicylate	119-36-8	0.5 - 1.5	Y
d-Limonene	5989-27-5	0.5 - 1.5	Y
Non-ionic Surfactant	9036-19-5	10 - 30	Y

Section 4. First Aid Measures

Eye Contact: Flush eyes with copious amounts of clean water, holding lids open. If irritation persists, consult a physician.
 Skin Contact: Wash with soap and water.
 Inhalation: Remove to fresh air.
 Ingestion: Give water or milk to drink if conscious.
 Note to Physicians: Contains more than 10% fragrance oils. Induction of vomiting is NOT recommended. If needed, gastric lavage may be used.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Water, foam, carbon dioxide, dry chemical
 Unsuitable Extinguishing Media: None known
 Products of Combustion: Oxides of carbon, nitrogen, sulfur
 Protection of Firefighters: As for surrounding fire

Section 6. Accidental Release Measures
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Personal Precautions: Keep away from skin and eyes
 Environmental Precautions: Keep out of surface waters
 Methods for Containment: Dike with sand, clay or other suitable material.
 Methods for Clean-Up: Absorb on sand, clay or other suitable material. Mop up hard surfaces with water.

Other Information:

Section 7. Handling and Storage

HANDLING

Reasonable care. Keep away from skin and eyes.

STORAGE

Keep out of the reach of children. Store in closed original containers at ambient conditions (5-50°C; 40 - 120°F)

Section 8. Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Water	Not applicable	Not applicable
Ethanol	TLV 1000 ppm	7060 mg/kg
Cinnamaldehyde	None established	2220 mg/kg
n-Pentyl Acetate	TLV 50 ppm	14000 mg/kg
Methyl Salicylate	None established	887 mg/kg
d-Limonene	None established	>5000 mg/kg
Non-ionic Surfactant	Mists TLV 10 mg/cu m	707 mg/kg

Engineering Controls: Normal ventilation

Eye/Face Protection: Protective goggles recommended if handling large quantities.

Skin Protection: Rubber or other protective gloves recommended if handling large quantities.

Respiratory Protection: Not normally necessary.

General Hygiene Considerations: Keep out of food and beverages.

Section 9. Physical and Chemical Properties

Color: Transparent blue-green	Odor: Characteristic spicy aroma
Physical State: Liquid	Odor Treshhold:
pH: 6.75 - 7.25	Freezing Point: Not determined
Evaporation Rate: As water	Boiling Point: >100C / >212F
Flash Point: >205 F PMCC	Flammability(solid,gas): Not applicable
Upper Flammability Limit: Not determined	Lower Flammability Limit: Not determined
Vapor Pressure: As water	Specific Gravity: 1.02
Vapor Density: Not determined	Auto-ignition Temperature: Not determined.
Volatile Organic Compound (VOC),%weight:	Solubility (water): Soluble. At some concentrations may appear milky on first mixing.
Less than 5%	Percent Volatile: 65% including water

Section 10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: None known

Incompatible Materials: None known

Hazardous Decomposition Products: None known

Possibility of Hazardous Reactions: Extremely improbable

Section 11. Toxicology Information

ACCUTE EFFECTS

Oral LD50: Not determined for mixture. Weighted average more than 2700 mg/kg.

Dermal LD50: Not determined for mixture. Weighted average more than 5700 mg/kg.

Inhalation: Not determined for mixture. Weighted average more than 9 milligrams per Liter.

Eye Irritation: Direct contact is irritating. If eyes are not rinsed immediately, irritation can become severe.

Skin Irritation: Prolonged or repeated contact can irritate or dry skin.

Sensitization: None known

CHRONIC EFFECTS

Carcinogenicity: None known

Mutagenicity: None known

Reproductive Effects: None known

Developmental Effects: None known

Section 12. Ecological Information

Ecotoxicity: None known

Persistence/Degradability: Biodegradable

Bioaccumulation/Accumulation: None known

Mobility in Environment: Not determined

Section 13. Disposal Considerations

Disposal: Dispose according to Federal, State or Provincial, and Local regulations.

Section 14. Transportation Information

US DOT (ground)

Proper Shipping Description: Not a Hazardous Material

CANADA TDG (ground)

Proper Shipping Description: Not a Dangerous Good

ICAO (air)

Proper Shipping Description: Not a Dangerous Good

IMDG (water)

Proper Shipping Description: Not a Dangerous Good

Section 15. Regulatory Information

Global Inventories

TSCA: United States Included

DSL: Canada Included

ECL: Korea Not-Known

PICCS: Philippines Not-Known

ENCS: Japan Not-Known

AICS: Australia Included

IECS: China Not-Known

EINECS: European Union Included

SARA 313 Information : No SARA 313 substances present at reportable levels

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

No Proposition 65 substances present

WHMIS: Canadian Workplace Hazardous Material Information System

B 3, D 2 B

Section 16. Other Information

Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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