

## SAFETY DATA SHEET

## HMIS:

Health- 1 Flammability- 1 Reactivity- 0 Pers.

Protection- N

WHMIS: B 3, D 2 B

## NFPA:

Health- 1 Flammability- 1 Reactivity- 0 Special Hazard-

N

## 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.

International Chem-Tel 813-248-0584

800-255-3924 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

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 Flammabilty 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

Incompatable 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
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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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