



**CENTRAL SOLUTIONS, INC.**

# Safety Data Sheet

Issue Date: 17-Jun-2013

Revision Date: 31-Dec-2013

Version 2

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Penner Whirlpool Disinfectant Cleaner

**Other means of identification**

**SDS #** 13010-1213

**Product Code**

Item Number: 3L = PENN1301-3L; 1-Gal = PENN13011

**Other Information**

RD17-76B

**Recommended use of the chemical and restrictions on use**

**Recommended Use** A quaternary ammonium disinfectant cleaner formulated with non-ionic and cationic wetting agents.

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

Central Solutions, Inc.  
401 Funston Rd.  
Kansas City, KS 66115

**Distributed by**

Penner Patient Care, Inc.  
102 Grant Street  
Aurora, NE 68818 Phone: 866-736-6377

**Emergency Telephone Number**

**Company Phone Number** 913-621-6542 (M-F 8am to 4:30pm, CST)  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear yellow

**Physical State** Liquid

**Odor** Quaternary

**Classification**

Danger: Corrosive Keep out of reach of children

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

**Signal Word**

Danger

**Hazard Statements**

Causes severe skin burns and eye damage



This product is a U.S. EPA Registered pesticide, EPA Reg. No. 1839-95-74102, and is subject to specific labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products.

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a poison center or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a poison center or doctor/physician  
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

KEEP OUT OF REACH OF CHILDREN-Do not contaminate water, food or feed by storage or disposal. Store in a dry place no lower in temperature than 50 °F, or higher than 120 °F.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant - See product label for further instruction

**Other Hazards**

Harmful to aquatic life with long lasting effects

**Unknown Acute Toxicity**

3% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0 (Alternate CAS 68956-79-6)	2.5
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	2.5
EDTA	60-00-4	<5
Ethanol	64-17-5	<1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

#### 4. FIRST-AID MEASURES

##### First Aid Measures

<b>Eye Contact</b>	Promptly wash eyes with plenty of water while lifting the eye lids. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or Poison Control Center immediately. Obtain medical attention and take along these instructions.
<b>Skin Contact</b>	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.
<b>Inhalation</b>	If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Ingestion</b>	Call a physician or Poison Control Center immediately. Give one or two glasses of water if patient is alert and able to swallow. Seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

##### Most important symptoms and effects

<b>Symptoms</b>	Prolonged contact may even cause severe skin irritation or mild burn. Prolonged contact may cause irreversible damage to eye. Contact will cause irritation and redness to exposed areas. Will cause gastrointestinal tract irritation. Inhalation symptoms may include dizziness and headache.
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##### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

##### Specific Hazards Arising from the Chemical

None known.

**Hazardous Combustion Products:** Carbon oxides. Nitrogen oxides (NOx). Ammonia. Amines. Chlorine gas.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Use personal protective equipment as required.
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##### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.
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**Methods for Clean-Up**

Wear appropriate protective equipment and clothing during clean-up.  
**Small Spills:** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.  
**Large Spills:** Dike far ahead of liquid spill for later disposal.  
 Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on Safe Handling**

Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean and closed.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.  
**DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.**

**Incompatible Materials**

None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol	STEL 1000 ppm	1000 ppm 1900 mg/m <sup>3</sup>	-
			-

**Appropriate engineering controls****Engineering Controls**

Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Use Safety Glasses when diluting concentrates or when splashing or spraying of diluted product into the eyes is likely.

**Skin and Body Protection**

Gloves are required for exposure to the concentrate when diluting or for long exposures to end-use dilutions. Persons sensitive to cleaning chemicals should always wear gloves.

**Respiratory Protection**

Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations**

Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Keep away from food and drink.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid		
<b>Appearance</b>	Clear yellow liquid	<b>Odor</b>	Quaternary
<b>Color</b>	Clear yellow	<b>Odor Threshold</b>	Not determined
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks - Method</u></b>	
pH	10.2 - 12.2		
Melting Point/Freezing Point	32 °F (0 °C)		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	Non-flammable water based liquid		
Evaporation Rate	Not established		
Flammability (Solid, Gas)	n/a-liquid		
Upper Flammability Limits	Not applicable		
Lower Flammability Limit	Not applicable		
Vapor Pressure	Not established		
Vapor Density	Not established		
Specific Gravity	1.023-1.054	(1=Water) @ 25 °C (77 °F)	
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
Density	8.53-8.79 lb/gal		

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

Carbon oxides. Ammonia. Amines. Nitrogen oxides (NOx). Chlorine gas.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
EDTA 60-00-4	= 1700 mg/kg ( Rat )	-	-
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	= >50 – 500 mg/kg (Rata0	-	-
Alkyl dimethyl benzyl ammonium chloride (C12-18)	= >50 – 500 mg/kg (Rata0	-	-

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

### Numerical measures of toxicity

Not determined

**Unknown Acute Toxicity** 3% of the mixture consists of ingredient(s) of unknown toxicity.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
EDTA 60-00-4	1.01: 72 h Desmodesmus subspicatus mg/L EC50	34 - 62: 96 h Lepomis macrochirus mg/L LC50 static 44.2 - 76.5: 96 h Pimephales promelas mg/L LC50 static		113: 48 h Daphnia magna mg/L EC50 Static
Ethyl Alcohol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Ethyl Alcohol 64-17-5	-0.32

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG**  
**Marine Pollutant** This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**US Federal Regulations****CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
EDTA 60-00-4	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**SARA 313**

Not determined

**CWA (Clean Water Act)**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
EDTA 60-00-4 ( <5 )	5000 lb			X

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Ethyl Alcohol - 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
EDTA 60-00-4	X	X	X
Ethyl Alcohol 64-17-5	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards****HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet