



**CENTRAL SOLUTIONS, INC.**

# Safety Data Sheet

Issue Date: 25-Jul-2013

Revision Date: 9-Jan-2014

Version 4

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** CSI Disinfectant Cleaner

**Other means of identification**

**SDS #** 12030-0114

**Product Code**

Item No.: 32oz=CSID12034; 1-Gal=CSID12031; 5-Gal=CSID12035

**Other Information**

Reference: RD11-72B-MOD).

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

**Recommended Use** A ready-to-use disinfectant cleaner formulated with cationic & nonionic surfactants, chelating agents, builders, and glycol ether.

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

**Manufacturer Address**

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

**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 blue liquid

**Physical State** Liquid

**Odor** Pleasant floral odor

**Classification**

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. 1839-83-211, 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: Hold eye open. and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse. Call a poison control center or doctor for treatment advice.  
 IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferable mouth to mouth if possible. Call a poison control center or doctor for treatment advice.  
 IF SWALLOWED: Call poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**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**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Other Hazards**

Harmful to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Diethylene Glycol Monobutyl Ether	112-34-5	<9
EDTA	60-00-4	<5
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0 (Alternate CAS 68956-79-6)	0.105
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.105

\*\*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>	Hold eye open. and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin Contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferable mouth to mouth if possible. Call a poison control center or doctor for treatment advice.
<b>Ingestion</b>	Call poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Most important symptoms and effects****Symptoms**

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.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

Treat symptomatically. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

## 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.

**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****Personal Precautions**

Use personal protective equipment as required.

**Methods and material for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**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. Keep locked up and out of reach of children.

**Incompatible Materials**

None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium metasilicate pentahydrate 10213-79-3	-	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	-

### Appropriate engineering controls

**Engineering Controls**                      Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection**                      Use safety glasses when splashing or spraying of the product into the eyes is likely or possible.

**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 eyes, skin and 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>Odor</b>	Pleasant floral odor
<b>Appearance</b>	Clear blue liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	11.50-12.50	
<b>Melting Point/Freezing Point</b>	Not available	
<b>Boiling Point/Boiling Range</b>	100 °C / 212 °F	
<b>Flash Point</b>	Non-flammable water based solution	
<b>Evaporation Rate</b>	Not established	
<b>Flammability (Solid, Gas)</b>	n/a-liquid	
<b>Upper Flammability Limits</b>	Not applicable	
<b>Lower Flammability Limit</b>	Not applicable	
<b>Vapor Pressure</b>	Not established	
<b>Vapor Density</b>	Not established	
<b>Specific Gravity</b>	1.010-1.020	@ 25 °C (77 °F)
<b>Water Solubility</b>	Completely soluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	

## 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. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact**                      Causes severe eye damage.

**Skin Contact**                    Causes severe skin burns.

**Inhalation**                        Avoid breathing vapors or mists.

**Ingestion**                        Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Diethylene Glycol Monobutyl Ether 112-34-5	= 3384 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	-
EDTA 60-00-4	= 1700 mg/kg ( Rat )	-	-
Nonoxynol 9016-45-9	= 1310 mg/kg ( Rat )	= 2 mL/kg ( Rabbit )	-
Sodium metasilicate pentahydrate 10213-79-3	847 mg/Kg (rat)	-	-

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

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Diethylene Glycol Monobutyl Ether 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static		2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50
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

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Not determined

### 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**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying.

## 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

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Diethylene Glycol Monobutyl Ether - 112-34-5	112-34-5	5-10	1.0

#### CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
EDTA 60-00-4 ( 1-5 )	5000 lb			X

#### US State Regulations

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Diethylene Glycol Monobutyl Ether 112-34-5	X		X
EDTA 60-00-4	X	X	X

## 16. OTHER INFORMATION

#### NFPA

#### Health Hazards

Not determined

#### Flammability

Not determined

#### Instability

Not determined

#### Special Hazards

Not determined

#### HMIS

#### Health Hazards

3

#### Flammability

0

#### Physical Hazards

0

#### Personal Protection

B

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9-Jan-2014

Revision Note:

New format

#### 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

Federal Standard No. 313 Addendum

- Contract Number: 47QSWA23D003Z
- Contractor Name: McKesson Medical-Surgical Government Solutions LLC
- Contractor Cage Code: 1EU19
- Manufacturer: Central Solutions, Inc.
- Manufacturer Cage Code:
- Special Item Number: 325612