



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

| | |
|---------------------|---|
| Eye Contact | 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. |
| Skin Contact | 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. |
| Inhalation | 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. |
| Ingestion | 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 ³ TWA (total dust); 5 mg/m ³ 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

| | | | |
|-----------------------|-------------------|-----------------------|----------------------|
| Physical State | Liquid | Odor | Pleasant floral odor |
| Appearance | Clear blue liquid | Odor Threshold | Not determined |
| Color | Clear blue | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|------------------------------------|-------------------------|
| pH | 11.50-12.50 | |
| Melting Point/Freezing Point | Not available | |
| Boiling Point/Boiling Range | 100 °C / 212 °F | |
| Flash Point | Non-flammable water based solution | |
| 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 | 1.010-1.020 | @ 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 | |

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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15-Jul-2013

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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