

# MATERIAL SAFETY DATA SHEET

## 1. Chemical Product & Company Identification

Material name Cristal Sanitizer A  
Version # 01  
Revision date 07-10-2010  
Product code CSA  
Chemical class Quaternary  
Manufacturer WET International, Inc.  
316 Roma Jean Parkway  
Streamwood, IL 60107 USA  
Emergency  
Infotrac 800-535-5053  
Infotrac Int'l 352-323-3500  
General information General 630-540-2113

## 2. Hazards Identification

Emergency overview DANGER  
CORROSIVE  
COMBUSTIBLE  
May be corrosive to eyes.May be corrosive to skin.HARMFUL OR FATAL IF SWALLOWED.  
Potential health effects  
Eyes May be corrosive to eyes.  
Skin May be corrosive to skin.This product may be harmful if it is absorbed through the skin.  
Inhalation Causes respiratory tract irritation.  
Ingestion This product may be harmful or fatal if swallowed.

## 3. Composition / Information on Ingredients

| Components CAS #  | Percent       |
|---|---------------|
| _Water 7732-18-5  | <47%          |
| _Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alt CAS 68956-79-6) | 85409-23-0 25 |
| _Alkyl dimethyl benzyl ammonium chloride (C12-18)                                     | 68391-01-5 25 |
| _Ethanol 64-17-5 3  |               |

## 4. First Aid Measures

First aid procedures  
Eye contact Immediately flush eyes with plenty of water for at least 15 minutes.Get medical attention immediately.  
Skin contact For skin contact flush with large amounts of water.Immediately take off all contaminated clothing.If irritation persists get medical attention.Wash clothing separately before reuse.  
Inhalation If symptoms are experienced, remove source of contamination or move victim to fresh air.If the affected person is not breathing, apply artificial respiration.If breathing is difficult, give oxygen.Get medical attention immediately.  
Ingestion If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

## 5. Fire Fighting Measures

Flammable properties Combustible by OSHA criteria. Vapors may travel to a source of ignition and flash back.  
Extinguishing media  
Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

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Protection of firefighters

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

Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods for containment

Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Eliminate ignition sources including sources of electrical, static or frictional sparks. 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. Do not contaminate surface water.

7. Handling and Storage

Handling

Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Storage

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Store in cool place. Keep in a well-ventilated place. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

8. Exposure Controls / Personal Protection

Exposure limits

ACGIH

Components Type Value

\_Ethanol (64-17-5)

TWA

1000 ppm

U.S. - OSHA

Components Type Value

\_Ethanol (64-17-5)

PEL

1900 mg/m3

1000 ppm

TWA

1900 mg/m3

1000 ppm

Engineering controls

Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal protective equipment

General

Eye wash fountain and emergency showers are recommended.

Eye / face protection

Wear chemical goggles. Face-shield.

Skin protection

Wear suitable protective clothing. Use impervious gloves.

Respiratory protection

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

9. Physical & Chemical Properties

Physical state

Liquid.

Form

Liquid.

pH

6.7 @10% Aqueous Solution

Flash point

123 °F (50.6 °C) PMCC

Evaporation rate

Estimated slower than ethyl ether.

Vapor pressure

Not Determined or Unknown

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|                  |                             |
|------------------|-----------------------------|
| Vapor density    | Estimated heavier than air. |
| Specific gravity | 8.1 lb/gal                  |
| RVOC             | 3 % (Ethanol)               |
| Pour point       | 25 °F (-3.9 °C)             |
| Viscosity        | 50 cps @ 25 C               |

## 10. Stability & Reactivity

|                                    |   |
|------------------------------------|---|
| Chemical stability                 | Stable at normal conditions.  |
| Conditions to avoid                | Heat, flames and sparks.  |
| Incompatible materials             | Strong oxidizing agents<br>Anionic surfactants  |
| Hazardous decomposition products   | Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons. |
| Possibility of hazardous reactions | Will not occur.   |

## 11. Toxicological Information

|                    |                                     |
|--------------------|-------------------------------------|
| Toxicological data |                                     |
| Product            | Test Results                        |
| BTC 2125M          | Acute Oral LD50 Rat: 50 - 500 mg/kg |

\* Estimates for product may be based on additional component data not shown.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

|  |  |
|--|--|
| IARC Monographs: Overall evaluation            |  |
| _Ethanol (64-17-5)                             | 1 Carcinogenic to humans.  |
| US ACGIH Threshold Limit Values: A3 carcinogen |  |
| _Ethanol (64-17-5)                             | Group A3 Confirmed animal carcinogen with unknown relevance to humans. |

## 12. Ecological Information

Aquatic toxicity Very toxic to aquatic organisms.

## 13. Disposal Considerations

Disposal instructions CONTAINER DISPOSAL - Do not reuse empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke. Offer for recycling if available. PESTICIDE 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.

## 14. Transport Information

Notes Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

## 15. Regulatory Information

|   |  |
|---|--|
| US federal regulations                                      | This product is considered a pesticide, and is therefore excluded from the United States TSCA Regulations. |
| Reportable Quantity   | There is no calculable reportable quantity (RQ) for this product.  |
| CERCLA (Superfund) reportable quantity                      | None   |
| Superfund Amendments and Reauthorization Act of 1986 (SARA) |  |
| Section 302 extremely hazardous substance                   | No   |
| Section 311 hazardous chemical                              | No   |

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## Inventory status

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                    | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                               | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)        | Yes                    |
| Europe                      | European Inventory of New and Existing Chemicals (EINECS)         | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)            | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)          | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                     | Yes                    |
| New Zealand                 | New Zealand Inventory   | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## State regulations

|  |                            |
|--|----------------------------|
| US - New Jersey RTK - Substances: Listed substance             |                            |
| _Ethanol (64-17-5)   | Substance no. 0844 Listed. |
| US - Pennsylvania RTK - Hazardous Substances: Listed substance |                            |
| _Ethanol (64-17-5)   | Listed.                    |

## 16. Other Information

|                      |   |
|----------------------|---|
| Further information  | HMIS® is a registered trade and service mark of the NPCA.   |
| HMIS® ratings        | Health: 3<br>Flammability: 2<br>Physical hazard: 0<br>Personal protection: X  |
| NFPA ratings         | Health: 3<br>Flammability: 2<br>Instability: 0  |
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| Issue date           | 09-24-2009  |
| MSDS Section Changes | Ecological Information: Ecotoxicity<br>Regulatory Information: Canada<br>Regulatory Information: US federal regulations   |

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