



G.H.BERLIN WINDWARD  
 Division of Booth Waltz Enterprise, Inc.  
 42 Rumsey Road East Hartford, CT 06108 Phone 860-289-7800

## Safety Data Sheet

# RECIRCULATING POWDER

### Section 1. Identification

**Product Use:** NON-ETCHING RECIRCULATING POWDER  
**Date Issue:** 5/27/15 **Supersedes:** 3/8/15

**Emergency Telephone Numbers:** INFOTRAC 1-800-535-5053  
**Prepared By:** Chem Quest, Inc.  
**Website:** [www.chem-quest.com](http://www.chem-quest.com)  
**E-mail:** [chemquest@roadrunner.com](mailto:chemquest@roadrunner.com)

### Section 2. Hazard(s) identification

#### HMIS Hazard Rating

0 = Insignificant

1 = Slight

2 = Moderate

3 = High

4 = Extreme

<b>HEALTH</b>	<b>3</b>	<b>FLAMMABILITY</b>	<b>0</b>	<b>REACTIVITY</b>	<b>1</b>	<b>SPECIFIC HAZ.</b>	<b>X</b>
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**Appearance:** white solid.



**Signal Word:** Danger!

CAUSES EYE AND SKIN BURNS. CAUSES DIGESTIVE AND RESPIRATORY TRACT BURNS. MAY BE HARMFUL IF SWALLOWED. CORROSIVE TO METAL IN AQUEOUS SOLUTION.

**Target Organs:** Eyes, skin, mucous membranes.

#### Potential Health Effects

**Eye:** Contact with eyes may cause severe irritation, and possible eye burns.  
**Skin:** Contact with skin causes irritation and possible burns, especially if the skin is wet or moist.  
**Ingestion:** May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. May be harmful if swallowed.  
**Inhalation:** May cause severe irritation of the upper respiratory tract with pain, burns, and inflammation.  
**Chronic:** Chronic inhalation may cause effects similar to those of acute inhalation.

**Section 3. Composition/Information on Ingredients**

Name of Hazardous Ingredients	CAS Number	Weight Percent
DISODIUM TRIOXOSILICATE	6834-92—0	90 - 99

**Section 4. First Aid Measures**

<b>Eyes:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.
<b>Skin:</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
<b>Notes to Physician:</b>	Treat symptomatically and supportively.

**Section 5. Fire Fighting Measures**

<b>General Information:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.
<b>Extinguishing Media:</b>	Use extinguishing media most appropriate for the surrounding fire.
<b>Flash Point:</b>	Not applicable.
<b>Autoignition Temperature:</b>	Not applicable.
<b>Explosion Limits, Lower:</b>	Not available.
<b>Upper:</b>	Not available.
<b>NFPA Rating: (estimated) Health:</b>	3; Flammability: 0; Instability: 0

**Section 6. Accidental Release Measures**

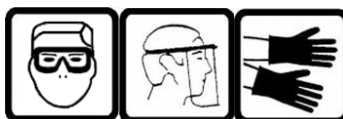
<b>General Information:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Spills/Leaks:</b>	Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation.

**Section 7. Handling and Storage**

<b>Handling:</b>	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.
<b>Storage:</b>	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
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**OSHA Vacated PELs:** Disodium Trioxosilicate: No OSHA Vacated PELs are listed for this chemical.

**Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

**Section 9. Physical and Chemical Properties**

<b>Physical State:</b>	Solid
<b>Appearance:</b>	White
<b>Odor:</b>	Not Available.
<b>pH:</b>	12.6 (1% soln)
<b>Vapor Pressure:</b>	Not Available.
<b>Vapor Density:</b>	Not Available.
<b>Evaporation Rate:</b>	Not Available.
<b>Viscosity:</b>	Not Available.
<b>Boiling Point:</b>	Not Available.
<b>Freezing/Melting Point:</b>	72 deg C
<b>Decomposition Temperature:</b>	Not Available.
<b>Solubility:</b>	Very soluble in water.
<b>Specific Gravity/Density:</b>	1.75
<b>Molecular Formula:</b>	Na <sub>2</sub> SiO <sub>3</sub> .5H <sub>2</sub> O
<b>Molecular Weight:</b>	212.74

**Section 10. Stability and Reactivity**

<b>Chemical Stability:</b>	Stable.
<b>Conditions to Avoid:</b>	Dust generation.
<b>Incompatibilities with Other Materials:</b>	Acids, fluorine, Flammable hydrogen gas may be produced on prolonged contact with materials such as aluminum, tin, lead, and zinc.
<b>Hazardous Decomposition Products:</b>	Toxic fumes of sodium oxide.
<b>Hazardous Polymerization:</b>	Has not been reported.

**Section 11. Toxicological Information****RTECS#:**

**CAS#** 10213-79-3: VV9287500

**CAS#** 6834-92-0: VV9275000

LD50/LC50:

**CAS#** 10213-79-3:

Oral, rat: LD50 = 847 mg/kg;

**CAS#** 6834-92-0:

Draize test, rabbit, skin: 250 mg/24H Severe;

Oral, mouse: LD50 = 770 mg/kg;

Oral, rat: LD50 = 1153 mg/kg;

**Carcinogenicity:**

**CAS#**10213-79-3:

Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**CAS#**6834-92-0:

Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:**

No data available.

**Teratogenicity:**

No data available.

**Reproductive Effects:** No data available.  
**Mutagenicity:** No data available.  
**Neurotoxicity:** No data available.  
**Other Studies:**

### Section 12. Ecological Information

No information available.

### Section 13. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.  
**RCRA U-Series:** None listed.

### Section 14. Transport Information

**UN or NA Number** UN3253  
**DOT Shipping Name** UN3253, 8, PG III, CORROSIVE  
**Required Label**



**Reportable Quantity** None  
**Emergency Response Guide** ..... #154

### Section 15. Regulatory Information

#### Federal and State Regulations:

##### TSCA

CAS# 10213-79-3 is not on the TSCA Inventory because it is a hydrate. It is considered to be listed if the CAS number for the anhydrous form is on the inventory (40CFR720.3(u)(2)).

CAS# 6834-92-0 is listed on the TSCA inventory.

##### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

##### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

##### Section 12b

None of the chemicals are listed under TSCA Section 12b.

##### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

##### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

##### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

##### SARA Codes

CAS # 10213-79-3: immediate, delayed.

CAS # 6834-92-0: immediate.

**Section 313** No chemicals are reportable under Section 313.

##### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

**Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.  
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 10213-79-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 6834-92-0 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations****European Labeling in Accordance with EC Directives****Hazard Symbols:**

C

**Risk Phrases:**

R 22 Harmful if swallowed.

R 34 Causes burns.

R 37 Irritating to respiratory system.

**Safety Phrases:**

S 13 Keep away from food, drink and animal feeding stuffs.

S 24/25 Avoid contact with skin and eyes.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**WGK (Water Danger/Protection)**

CAS# 10213-79-3: 1

CAS# 6834-92-0: 1

**Canada - DSL/NDSL**

CAS# 6834-92-0 is listed on Canada's DSL List.

**Canada - WHMIS**

This product has a WHMIS classification of E.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

CAS# 6834-92-0 is listed on the Canadian Ingredient Disclosure List.

**Section 16. Other Information**

The information on this data sheet represents our current data and best opinions as to the proper use and handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any process is the responsibility of the user.