



## Material Safety Data Sheet

### 1. Chemical Product & Company Data

<b>Product Name: MicroGuard™ Equipment Cleaner</b>	
Manufacturer:  ProRestore™ Products 4660 Elizabeth Street Coraopolis, PA 15108 Telephone: 412-264-8340	Supplier:  Dri-Eaz Products, Inc. 15180 Josh Wilson Road Burlington, WA 98233 (360) 757-7776, (800) 932-3030
For chemical emergency during transportation call NFOTRAC (US) <b>1-800-535-5053</b> (INT'L) <b>1-352-323-3500</b>	

### 2. Ingredients

Name	CAS #	UN#	% by volume
Di-N-alkyl (C8-10) dimethylammonium chloride	68424-95-3		0.05
Secondary Alcohol Ethoxylates	84133-50-6		0.04
N-Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1		0.03
Tetrasodium Ethylenediamine Tetraacetate	64-02-8		0.03
Sodium Metasilicate	6834-92-0		0.01
Water	7732-18-5		> 90

### 3. Hazards Identification

<b>Emergency Overview</b> CAUTION: May cause eye irritation. Avoid contact with eyes. Keep out of reach of children.
<b>Effects of overexposure:</b> Based on the available animal toxicity information, it is anticipated that this material will cause mild or no skin or eye irritation upon direct or prolonged contact. No human overexposure data is available for this material.
<b>Overexposure may aggravate existing conditions:</b> No effects indicated.

### 4. First Aid

<b>Emergency and First Aid Procedures:</b> <b>Eyes:</b> Flush eyes with plenty of water for several minutes. Seek medical attention if irritation develops.  <b>Skin:</b> Wash affected areas with plenty of water and soap, if available, for several minutes. Seek medical attention if irritation develops.  <b>Ingestion:</b> If swallowed, give 3-4 glasses of milk (if unavailable, give water), but DO NOT induce vomiting. If vomiting does occur, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.  <b>Inhalation:</b> Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
---

### 5 Fire Fighting Measures

Flammability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, under which conditions?	
Flashpoint: Non-flammable	Upper flammable limit % by volume n. ap.	Lower flammable limit % by volume n. ap.
Autoignition temperature Not known	Hazardous combustion products Products of combustion are toxic.	Explosion data n. ap.
Means of extinction: Water, foam, dry chemical, alcohol foam, CO2.		

**6. Accidental Release Measures**

**Steps to be taken in case material is released or spilled**  
 Caution! Floors may become slippery. Wear appropriate protective equipment and NIOSH/MSHA approved respirator where mist or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).  
 Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

**7. Handling & Storage**

**Precautions For Storage and Handling:**  
 Store at temperatures below 140 °F (60 °C). Keep containers closed until used.  
 Do not contaminate drinking water, food or feed by storage or disposal.

**8. Exposure Controls & Personal Protection**

Personal Protective Equipment		
Gloves Rubber or neoprene, when needed to prevent skin contact.	Proper Ventilation General ventilation recommended for large jobs.	Eye Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.
Footwear n. ap.	Clothing Long sleeve shirts or coveralls as appropriate.	Other Eye wash station, safety shower as appropriate. Respirator.
Exposure Guidelines		
<b>EFFECTS OF OVEREXPOSURE:</b> Based on the available animal toxicity information, it is anticipated that this material will cause mild or no skin or eye irritation upon direct or prolonged contact. No human overexposure data is available for this material.		
<b>OVEREXPOSURE MAY AGGRAVATE EXISTING CONDITIONS:</b> No effects indicated.		

**9. Physical & Chemical Properties**

Physical state Liquid	Odor and appearance Clear liquid with lemon odor	
Odor threshold (ppm) Not known	Vapor pressure (mm Hg) Not known	Vapor density (Air=1) Not known
Evaporation (butyl acetate = 1) Not known	Boiling point 212 °F (100 °C)	Freezing point 32 °F (0 °C)
pH 11.0	Specific gravity 1.00 @ 25 °C	Coefficient water/oil distribution
Solubility in water Complete	Viscosity Not Known	% Volatiles (by weight) 99.8%

**10. Stability and Reactivity**

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under which conditions?
Incompatibility with other substances Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, under which conditions? None known
Reactivity, and under what conditions? Not known	
Hazardous decomposition products?  Thermal decomposition may produce toxic vapors/fumes of amines and other organic materials, and oxides of carbon and nitrogen.	

**11. Toxicological Information**

Route of Entry Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion <input type="checkbox"/>
Eye irritation (rabbit): non-irritant (primary irritation index = 0.0) Skin irritation (rabbit): non-irritant (primary irritation index = 0.0)

**12 Ecological Information**

Considered biodegradable.
---------------------------

**13. Disposal Considerations**

Dispose of in compliance with all federal, state and local laws and regulations. Incineration is the preferred method.
--

**14. Transport Information**

Shipping Name: CLEANING COMPOUND N.O.I
--

Hazard Class:
---------------

UN Identification #:
----------------------

DOT Classification - Not a DOT controlled material (USA)
--

IMDG - Not controlled under IMDG
----------------------------------

IATA - Not controlled under IATA
----------------------------------

**15. Regulatory Information**

Toxic Substances Control Act (TSCA Inventory) Status:
---

Found on U.S. EPA TSCA inventory.
-----------------------------------

This product is not subject to the reporting requirement of Section 313 of Title III of Superfund Amendments and Reauthorization Act (SARA) 1986 and 40 CFR part 372.
---

This product does not contain any known or anticipated carcinogens according to the NTP Annual Report on carcinogens and OSHA 29 CFR 1910.1000, Subpart Z.
--

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):
--

WARNING: This product contains a chemical(s) known to the State of California to cause cancer and/or birth defects or other reproductive harm.
--

**16. Other Information**

HMIS (U.S.A.)
---------------

Health: 1;
------------

Fire: 0;
----------

Reactivity:
-------------

Reactivity 0;
---------------

Personal Protection c
-----------------------

National Fire Protection Association (U.S.A.):
--

Health: 1;
------------

Fire: 0;
----------

Reactivity: 0
---------------

Specific hazard: N/A
----------------------

Date: 03/20/2012
------------------

Revised from: 11/12/2008
--------------------------

**Abbreviations:**

n. av. = not available
------------------------

mm Hg = millimeters of Mercury
--------------------------------

COC = Cleveland Open Cup
--------------------------

LD = Lethal Dose
------------------

n. ap. = not applicable
-------------------------

PMCC = Pensky Martens Closed Cup
----------------------------------

TWA = Time Weighted Average
-----------------------------

LC = Lethal Concentration
---------------------------

ppm = parts per million
-------------------------

TCC = Tagliabue Closed Cup
----------------------------

STEL = Short Term Exposure Limit
----------------------------------

CS = centistokes
------------------

This information is furnished without warranty, expressed or implied except that it is accurate to the best knowledge of ProRestore™ Products. The data and information on this sheet relates only to the specific material designated herein. ProRestore™ Products assumes no legal responsibility for use or reliance upon this data.