


Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"><tr><td>Health Hazard</td><td>0</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	0	Fire Hazard	0	Reactivity	0		
Health Hazard	0								
Fire Hazard	0								
Reactivity	0								

Issuing Date 24-Jul-2006

Revision Date 12-Aug-2009

Revision Number 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Clean & Shield® Bathroom Cleanser RTU
Recommended Use Cleansing/scrubbing preparation & barrier coating to remove hard water, mineral deposits, rust, stains & other buildup on hard surfaces

Supplier Address

Unelko Corporation
14641 N.74th Street, Scottsdale, AZ,
85260
US
Phone:480-991-7272
Contact:Steven Ohlhausen
Contact Phone:480-991-7272
Emergency Phone:800-255-3924

Company Emergency Phone Number 602-321-1911

2. HAZARDS IDENTIFICATION

Emergency Overview

The product contains no substances which, at their given concentration, are considered to be hazardous to health

Appearance White

Physical State Cream

Potential Health Effects

Principle Routes of Exposure

Skin contact, Eye contact.

Acute Toxicity

Eyes

May cause irritation.

Skin

May cause irritation.

Inhalation

No known effect based on information supplied

Ingestion

May cause irritation.

Chronic Effects

No known effect based on information supplied

Aggravated Medical Conditions

Preexisting eye disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	North American Hazard Indicator
Water, distilled, conductivity or of similar purity	7732-18-5	60 - 100	-
Aluminum oxide	1344-28-1	10 - 30	1
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	34398-01-1	6 - 8	-
1-Octadecanaminium, N,N-dimethyl-N-[3-(trimethoxysilyl)propyl]-, chloride	27668-52-6	1 – 3	-
Sodium dodecylbenzene sulfonate	25155-30-0	7 – 9	-

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Skin Contact	Wash skin with soap and water
Ingestion	Clean mouth with water and afterwards drink plenty of water
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable
Flash Point	Not applicable
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Uniform Fire Code	<ul style="list-style-type: none"> OTHER HEALTH HAZARD: TARGET ORGAN TOXIN--LIQUID
Hazardous Combustion Products	Carbon oxides
Explosion Data	
Sensitivity to mechanical impact	Not sensitive
Sensitivity to static discharge	Not sensitive

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

NFPA **Health Hazard 0** **Flammability 0** **Stability 0** **Physical and Chemical Hazards -**

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with eyes.

Methods for Containment Prevent further leakage or spillage if safe to do so

Methods for Clean-up Soak up with inert absorbent material. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aluminum oxide	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	

Engineering Controls Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/face Protection If splashes are likely to occur, wear:. Goggles.

Skin and body protection Repeated or prolonged contact:. Wear protective gloves/clothing.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White	Odor	Wintergreen
Physical State	Liquid	Viscosity	1 - 3
Specific Gravity	1.01	pH	3 - 4
Flash Point	Not applicable	Autoignition Temperature	Not applicable
Boiling Point/Range	No data available	Melting Point/Range	No data available
Flammability Limits in Air	No data available		
Water Solubility	Partly soluble	Solubility	No data available
VOC Content	Not applicable	Partition Coefficient (n-octanol/water)	

10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended storage conditions.

Conditions to Avoid	None known based on information supplied.
Incompatible Products	None known based on information supplied.
Hazardous Decomposition Products	None known based on information supplied
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Aluminum oxide	5000 mg/kg (Rat)		
Hydroxypropyl ether of cellulose	10200 mg/kg (Rat)		

Subchronic Toxicity (28 days)

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product.

Mutagenicity

Reproductive Toxicity This product does not contain any known or suspected reproductive hazards.

Target Organ Effects Eyes, Respiratory system, Skin.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261)

Contaminated Packaging Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

14. TRANSPORT INFORMATION

<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	Complies
ENCS	Complies
CHINA	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
Aluminum oxide	1344-28-1	10 - 30	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Pesticide Information

Chemical Name	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Water, distilled, conductivity or of similar purity		List 4A - Minimum Risk Inerts		
Aluminum oxide		List 4B - Inert Ingredients	X	
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-		List 3 - Unknown Toxicity		
Hydroxypropyl ether of cellulose		List 4A - Minimum Risk Inerts	X	

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Aluminum oxide	X	X	X		X

International Regulations**Mexico - Grade**

Minimum risk, Grade 0

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

Issuing Date	24-Jul-2006
Revision Date	12-Aug-2006
Revision Note	No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of MSDS