

Material Safety Data Sheet*
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements

U.S. Department of Labor
Occupational Safety & Health
Administration
(Non-Mandatory Form)
OSHA no. 1218-0072

Identity (as used on Label & List)

Note: Blank spaces are not permitted.
If any item is not applicable,
or no information is applicable,
the space must be marked to
indicate that.

PW ALL PURPOSE CLEANER

Section I

Distributor's Name
Duraclean International, Inc.

Emergency Telephone Number:
847-704-7100

Address (Number, Street)
220 Campus Drive

Telephone Number for Information:
847-704-7100

Address (city, state & zip)
Arlington Heights, IL 60004

Date Prepared: October 27, 1992

Manufacturer's Name:
C&H Chemical, Inc. (18002285635APC)
Minneapolis, MN 55434

Signature of Preparer:
Henry Hakewill, Jr.
*Based upon information provided by
manufacturer.

Section II - Hazardous Ingredients / Identity Information

Hazard (Specific Chemical Identity:	Components (Specific Common Names(s) CAS No.	Chemical OSHA PEL	Identity: ACGIH TLV
Sodium metasilicate	6834-92-0	2mg/m ³	2mg/m ³
2-Butoxy ethanol	111-76-2	50ppm	25ppm
		% Opt. 5	

Section III - Physical / Chemical Characteristics

Boiling Point (°F)	212	Specific Gravity (H ₂ O=1)	>1
Vapor Pressure (mmHg)	same as water	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	<1

Solubility in Water
complete

Appearance and Odor
Clear colorless liquid, mild odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	None	Flammable Limits	LEL N/A	UEL N/A
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Extinguishing Media
No restrictions

Section IV - Fire and Explosion Hazard Data cont.

Special Fire fighting Procedures

Wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

None

Section V - Reactivity Data

Stability	Unstable	-	Conditions to Avoid
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	Stable	-	X	N/A
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Incompatibility (Materials to Avoid)

None known

Hazardous Decomposition or Byproducts

Oxides of carbon and nitrogen

Hazardous	May Occur	-	Conditions to Avoid
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Polymerization

	Will not occur	-	X	N/A
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Section VI - Health Hazard Data

Route(s) of Entry: Eyes? Yes Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards (Acute and Chronic)

Contact with eyes will cause burns. Contact with skin may cause irritation or burns. Ingestion can cause nausea, vomiting, narcosis & gastric discomfort & may cause burns to mouth & esophagus. Ingestions of large quantities may cause delayed kidney damage.

Carcinogenicity:	NPT?	IARC Monographs?	OSHA Regulated?
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No

Signs & Symptoms of Exposure

Burning and/or redness of eyes. Burning or itching of skin. Burning of mouth tissue & gastric discomfort.

Medical Conditions Generally Aggravated by Exposure

Dermatitis, breathing difficulties.

Emergency and First Aid Procedures

EYES - immediately flush eyes with water for 15 minutes while holding eyelids open with fingers to insure complete rinsing. Get medical attention if irritation continues. SKIN - rinse affected skin with water & get medical attention if irritation persists. INGESTION - DO NOT INDUCE VOMITING. Immediately drink 1-2 glasses of milk or water to dilute. Contact a physician or poison control center immediately. INHALATION - remove to fresh air promptly. Get medical attention if breathing is labored.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

For small amounts - flush to sewer with water. For large amounts - soak up with inert absorbent & shovel into sealed drums.

Waste Disposal Method

Dispose of sealed drums in accordance with all applicable local, state & federal regulations for alkaline liquids. Product contains biodegradable surfactants; so is normally sewer disposable.

Precautions to be Taken in Handling and Storing

This alkaline detergent is safe in normal use, & incidental skin contact normally causes no harm.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Normally not required. Use NIOSH approved respirator as required for concentrated mists or sprays.

Ventilation

Local Exhaust: Natural draft is normally adequate.

Special:

N/A

Mechanical (General): Use for high concentration mists or when working in a confined area.

Other:

N/A

Protective Gloves: Use of rubber or neoprene gauntlet type gloves is recommended.

Eye Protection: Use of safety goggles or face shield is recommended.

Other Protective Clothing or Equipment

Eye wash station & safety showers should be readily accessible. Rubber protective clothing (boots, aprons etc.) should be worn as required to prevent prolonged or repeated contact with the product.

Work/Hygienic Practices

After handling & using product, wash hands thoroughly before eating, smoking or using restroom facilities. KEEP OUT OF REACH OF CHILDREN.

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All terms and abbreviations have been defined in various government publications, or are standard chemical terms used by IUPAC.

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