Safety Data Sheet (SDS)

Section 1 - Chemical Product and Company Information

Product Name: Powder C Alkaline & WW Cleaner Product Code: CW280

Manufacturer:

Shore Corporation
2305 Duss Avenue
Ambridge, PA 15003

Telephone 412-471-3330
Toll free 800-860-4978
Fax 412-471-3260
www.shorecorporation.com
sales@shorecorporation.com

In case of transportation or chemical emergency contact:

ChemTel, Inc
1-800-255-3924 (24 hours)

Not recommended for: Alkaline cleaner & detergent

Section 2 - Hazards

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

GHS Ratings:

Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Inhalation Toxicity	Acute Tox. 3	Gases>500+<=2500ppm, Vapors>2+<=10mg/l, Dusts&mists>0.5+<=1mg/l
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer

GHS Hazards

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H331	Toxic if inhaled

GHS Precautions

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray

P264	Wash hands and exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/physician
P311	Call a POISON CENTER or doctor/physician
P321	Specific treatment (see Section 4 on this SDS)
P330	Rinse mouth
P363	Wash contaminated clothing before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed
P501	Dispose of contents/container in accordance with local/ regional/ national/, regulations.

Signal Word: Danger

Section 3 - Composition

Chemical Name	CAS number	Weight Concentration %
Sodium carbonate	497-19-8	60.00% - 70.00%
Sodium tripolyphosphate	7758-29-4	10.00% - 20.00%
Sodium Hydroxide	1310-73-2	5.00% - 10.00%
Sodium Pyrophosphate Tetrabasic	7722-88-5	1.00% - 5.00%
Alcohols, C9-11, ethoxylated	68439-46-3	1.00% - 5.00%
2-butoxyethanol	111-76-2	1.00% - 5.00%

Section 4 - First Aid Measures

INHALATION - Take affected persons out into the fresh air. Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of irregular breathing or respiratory arrest provide artificial respiration.
In case of unconsciousness place patient stably in side position for transportation.
Powder is corrosive to skin and nasal passages. Wipe / rinse out as much as possible.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, remove them if it can be done easily, then flush the eyes with water. Have a physician examine the eyes.

SKIN CONTACT - Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.
Rinse until skin no longer feels slippery.
If skin irritation continues, consult a doctor.
Launder clothing before reuse.

INGESTION - If material is ingested, rinse out mouth with water and seek immediate medical attention. Do not induce vomiting but if vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs. If victim is conscious drink large quantities of water or acidic beverages like soft drinks or citrus juice to dilute / neutralize stomach contents.

Notes to Physician: If swallowed, gastric irrigation with added, activated carbon.
If swallowed or in case of vomiting, danger of entering the lungs.
If necessary oxygen respiration treatment.

Section 5 - Fire Fighting Measures

Flash Point: N/A
LEL: 1.0% UEL: 11.0%

EXTINGUISHING MEDIA: This product is not inherently flammable. Use media appropriate for surrounding fire.

UNUSUAL FIRE OR EXPLOSION HAZARDS: This product generates heat when dissolved in water. It can generate flammable hydrogen gas in contact with aluminum.

HAZARDOUS COMBUSTION PRODUCTS: See section 10 for a list of hazardous decomposition products for this mixture.

FIRE FIGHTING: If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

FIRE FIGHTING EQUIPMENT: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Keep nonessential personnel away from the contaminated area. Spilled product may be very slippery! Product absorbs moisture from air and the powders may stick to clothing and equipment. Be careful not to generate dust.

SMALL SPILLS: Ventilate the contaminated area. Sweep up spilled material and reuse or dispose of properly. Mop or rinse floor / equipment with water to remove any residue.

Plastic or steel containers are suitable for waste. Do not use aluminum or galvanized steel.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

LARGE SPILLS: Ventilate the contaminated area. Carefully sweep up spilled powder for reuse or disposal. Rinse floor and equipment with water to remove any residue.

Transfer swept material to a covered container. Plastic and steel containers are acceptable. Do not use aluminum or galvanized steel containers or tools.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 7 - Handling and Storage

HANDLING PRECAUTIONS: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate local ventilation at all times to avoid generating product dust. Keep containers closed when not in use. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

Do not allow product to come in contact with aluminum. Do not use aluminum tools for handling.

STORAGE: Requirements to be met by storerooms and receptacles:
Store in a cool location.
Provide ventilation for receptacles.

· **Information about storage in one common storage facility:**
Store away from foodstuffs.
Do not store together with acids.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Keep container tightly sealed.

REGULATORY REQUIREMENTS: No data found.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium carbonate 497-19-8	Not Established	TLV TWA 3 mg/m3 respirable particles TLV TWA 10 mg/m3 inhalable fraction	Not Established
Sodium tripolyphosphate 7758-29-4	10 mg/m3 TWA (total dust) 5 mg/m3 TWA (respirable dust)	Not Established	Not Established
Sodium Hydroxide 1310-73-2	OEL Table z-1 TWA 2.00 mg/m3	TLV 2 mg/m3 (Ceiling)	NIOSH 2.00 mg/m3 (Ceiling)
Sodium Pyrophosphate Tetrabasic 7722-88-5	Air Contaminants Value = TWA Control Parameters = 5 mg/m3	Not Established	NIOSH Value = TWA Control Parameters = 5 mg/m3
Alcohols, C9-11, ethoxylated 68439-46-3	Not Established	Not Established	Not Established
2-butoxyethanol 111-76-2	PEL 50 ppm 240mg/m3 Table z-1	TWA 20 ppm	Not Established

ENGINEERING: Design transfer systems to minimize generation of dust and contact with aluminum.

VENTILATION: Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits. Use mechanical ventilation to reduce buildup of vapors and dust in enclosed areas.

ADMINISTRATIVE CONTROLS: Read SDS and follow recommended procedures.

PROTECTIVE EQUIPMENT: Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.

Respiratory protection may not be needed if the local exhaust is sufficient to maintain levels of hazardous ingredients below occupational exposure limits. If needed, use a NIOSH/MSHA approved respirator equipped with a full facepiece, organic vapor cartridges, and high-efficiency, particulate air (HEPA) filters. Do not use respirators beyond their capabilities. FOR EMERGENCIES AND UNKNOWN CONCENTRATIONS, use supplied-air respiratory protection or a positive-pressure, self-contained breathing apparatus (SCBA).

CONTAMINATED EQUIPMENT: Launder or clean gear before reuse. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance: White powder	**Odor:** Citrus
Vapor Pressure: 3.3 hPa	**Odor threshold:** No Data
Vapor Density: 2.1	**pH:** Not applicable
Specific Gravity: Not determined	**Melting point:** Calculated
Freezing point: No Data	**Solubility:** Soluble in water
Boiling range: 171 - 255°C	**Flash point:** Not applicable
Evaporation rate: No Data	**Flammability:** No Data
Explosive Limits: 1% - 11%	**Partition coefficient (n-octanol/water):** No Data
Autoignition temperature: No Data	**Decomposition temperature:** No Data
Viscosity: No Data	**Grams VOC less water:** No Data

Section 10 - Stability and Reactivity

Stability: Hazardous polymerization will not occur.

STABLE

Components of this mixture are incompatible with the following materials: Acids and soft metals like aluminum.

This mixture is likely to exhibit the following combustion products:
Oxides of carbon and nitrogen

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 1,860mg/kg
Dermal Toxicity LD50: 2,596mg/kg
Inhalation Toxicity LC50: 9mg/L

Component Toxicity

497-19-8	Sodium carbonate Oral LD50: 2,800 mg/kg (rat) Dermal LD50: 2,001 mg/kg (rabbit)	
7758-29-4	Sodium tripolyphosphate Oral LD50: 3,120 mg/kg (rat) Dermal LD50: 4,640 mg/kg (rabbit)	
1310-73-2	Sodium Hydroxide Oral LD50: 650 mg/kg (rabbit)	
7722-88-5	Sodium Pyrophosphate Tetrabasic Oral LD50: 301 mg/kg (Rat)	
68439-46-3	Alcohols, C9-11, ethoxylated Oral LD50: 2,001 mg/kg (rat) Dermal LD50: 3,300 mg/kg (rat)	
111-76-2	2-butoxyethanol Oral LD50: 1,400 mg/kg (Guinea pig) Dermal LD50: 2,001 mg/kg (Guinea pig) Inhalation LC50: 3	

Inhalation Skin Contact Ingestion

Exposure to this material may affect the following organs:

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS Number	Description	% Weight	Carcinogen Rating
None			N/A

Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product.

Section 12 - Ecological Information

Ecological information: No data found.

Component Ecotoxicity

Sodium carbonate	LC50 fish 1 300 mg/l (96 h; Lepomis macrochirus) EC50 Daphnia 1 < 424 mg/l (48 h; Daphnia magna) EC50 other aquatic organisms 1 14 mg/l (168 h; Plankton) LC50 fish 2 740 mg/l (96 h; Gambusia affinis) EC50 Daphnia 2 265 mg/l (48 h; Daphnia magna) TLM fish 1 300 ppm (96 h; Lepomis macrochirus) TLM other aquatic organisms 1 500 ppm (96 h; Daphnia magna) Threshold limit algae 1 242 mg/l (5 days; Algae)

Sodium Hydroxide	Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 125 mg/l - 96 h LC50 - Oncorhynchus mykiss (rainbow trout) - 45.4 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates Immobilization EC50 - Daphnia (water flea) - 40.38 mg/l - 48 h
Sodium Pyrophosphate Tetrabasic	Aquatic Toxicity LC50; 1380 mg/l = 96 hrs., Other Fish EC50; 391 mg/l = 48 hrs., Daphnia magna (Water Flea)
Alcohols, C9-11, ethoxylated	Toxicity to fish - Components Alcohols, C9-11, ethoxylated LC50 (96 h) : 1 - 10 mg/l Species : Fathead minnow (Pimephales promelas). Toxicity to daphnia - Components Alcohols, C9-11, ethoxylated EC50 (48 h) : 1 - 10 mg/l Species : Daphnia Toxicity to algae - Components Alcohols, C9-11, ethoxylated ErC50 (96 h) : 1 - 10 mg/l Species : Algae.
2-butoxyethanol	Acute: LC-50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l Acute: EC-50 (Water Flea, 48 h): 1,550 mg/l Chronic: NOEC (daphnid, 21 d): 100 mg/l Chronic: NOEC (Zebra Fish, 21 d): > 100 mg/l Chronic: EC-50 (Algae (Pseudokirchneriella subcapitata), 72 h): 1,840 mg/l

Section 13 - Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

Section 14 - Transport Information

This material is classified for transport as follows:

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
ADR	1759 CORROSIVE SOLID, N. O. S. (SODIUM HYDROXIDE)	UN1759	III	8 (C10)
IATA	Corrosive solids, n.o.s. (sodium hydroxide)	UN1759	III	8
IMDG	CORROSIVE SOLID, N. O. S. (SODIUM HYDROXIDE)	UN1759	III	8
US DOT	Corrosive solids, n.o.s. (sodium hydroxide)	UN1759	III	8

Section 15 - Regulatory Information

Additional regulatory listings, where applicable.

- None

The following chemicals are listed in MA RTK

7722-88-5 Sodium Pyrophosphate Tetrabasic 1 to 5 %
111-76-2 2-butoxyethanol 1 to 5 %

The following chemicals are on the NJ RTK list:

1310-73-2 Sodium Hydroxide 5 to 10 %
7722-88-5 Sodium Pyrophosphate Tetrabasic 1 to 5 %
111-76-2 2-butoxyethanol 1 to 5 %

The following chemicals are on the NY RTK list
1310-73-2 Sodium Hydroxide 5 to 10 %

The following chemicals are on the PA RTK list
1310-73-2 Sodium Hydroxide 5 to 10 %
7722-88-5 Sodium Pyrophosphate Tetrabasic 1 to 5 %
111-76-2 2-butoxyethanol 1 to 5 %

The following chemicals are listed under Prop 65
- None

- None

- None

Country	Regulation	All Components Listed
Canada	Canadian Domestic Substances List	Yes
US	Toxic Substances Control Act	Yes

EU Risk Phrases

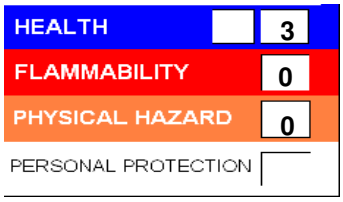
Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

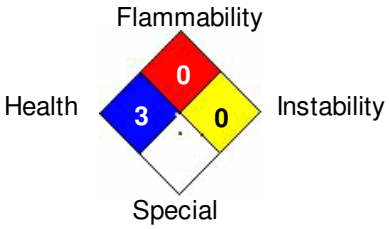
Section 16 - Other Information

Hazardous Material Information System (HMIS)



HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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