

**1. IDENTIFICATION**

<b>Product Name</b>	Cascade Professional All-Temp Detergent
<b>Product Code(s)</b>	7-00
<b>Product Identifier</b>	90643004_PROF_NG
<b>Product Type:</b>	Finished Product - Professional Use Only
<b>Recommended Use</b>	Dish Care.
<b>Restrictions on Use</b>	Use only as directed on label.
<b>Details of the supplier of the safety data sheet</b>	Procter & Gamble Professional 1 P&G Plaza Cincinnati, Ohio 45202  Procter & Gamble Inc. P.O. Box 355, Station A Toronto, ON M5W 1C5  1-800-332-7787
<b>E-mail Address</b>	pgsds.im@pg.com
<b>Emergency Telephone</b>	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

**2. HAZARD IDENTIFICATION**

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

<b>Hazard Category</b>	Category 1
<b>Skin corrosion/irritation</b>	Category 1
<b>Subcategory</b>	Sub-category A
<b>Eye Damage / Irritation</b>	Category 1
<b>Corrosive to metals</b>	Category 1

**Signal Word** DANGER

**Hazard Statements** Causes severe skin burns and eye damage  
May be corrosive to metals

**Hazard pictograms**



**Precautionary Statements** Do not breathe mist  
Wash hands thoroughly after handling  
p80  
Use with ventilation.  
Keep only in original container

**Precautionary Statements - Response** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician  
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting  
Drink 1 or 2 glasses of water  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

**Precautionary Statements - Storage** Store in corrosive resistant container

**Precautionary Statements - Disposal** None

**Hazards not otherwise classified (HNOC)** None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight-%
Sodium hydroxide	Sodium hydroxide (Na(OH))	Yes	1310-73-2	15 - 40
Phosphonic acid, P,P'-(1-hydroxyethylidene)bis-, sodium salt (1:4)	Phosphonic acid, P,P'-(1-hydroxyethylidene)bis-, sodium salt (1:4)	Yes	3794-83-0	1 - 5

**Additional information** Actual concentrations withheld as trade secret in accordance with Canadian HPR

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

**Eye contact** Rinse with plenty of water. Call a physician immediately.

**Skin contact** Rinse with plenty of water. Get medical attention if irritation develops and persists.

**Ingestion** Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

**Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.

**Most important symptoms/effects, acute and delayed** None under normal use conditions.

**F. Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray.
<b>Unsuitable Extinguishing Media</b>	None.
<b>Special hazard</b>	None known.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific hazards arising from the chemical</b>	None.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

### Methods and materials for containment and cleaning up

**Methods for containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

### Conditions for safe storage, including any incompatibilities

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

**Incompatible products** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Sodium hydroxide	1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	Mexico: Ceiling 2 mg/m <sup>3</sup>

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWAEV	British Columbia
Sodium hydroxide	1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	CEV: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

No relevant exposure guidelines for other ingredients

### Exposure controls

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection**

**Distribution, Workplace and Household Settings:**  
Requires Eye Protection

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Wear safety glasses with side shields (or goggles)  
If splashes are likely to occur, wear:  
Tight sealing safety goggles

**Hand Protection**

**Distribution, Workplace and Household Settings:**  
Protective gloves

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Protective gloves

**Skin and Body Protection**

**Distribution, Workplace and Household Settings:**  
Wear suitable protective clothing

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**  
No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
In case of inadequate ventilation wear respiratory protection

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State @20°C</b>	Liquid
<b>Appearance</b>	Clear red
<b>Odor</b>	None
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Note</u>
<b>pH value</b>	12.6	(as 1% solution)
<b>Melting Point / Freezing Point</b>	No information available	
<b>Boiling point / boiling range</b>	No information available	
<b>Flash point</b>	> 90 °C / > 194 °F	Closed cup. Does not sustain combustion.
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	1.3	
<b>Water solubility</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	.
<b>Decomposition temperature</b>	No information available	.
<b>Viscosity</b>	No information available	

**VOC Content (%)** Products comply with US state and federal regulations for VOC content in consumer products.

### 10. STABILITY AND REACTIVITY

**Reactivity** None under normal use conditions.

**Stability** Stable under normal conditions.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Hazardous Reactions** None under normal processing.

**Conditions to Avoid** None under normal processing.

**Incompatible materials** None in particular.

**Hazardous Decomposition Products** None under normal use conditions.

### 11. TOXICOLOGICAL INFORMATION

**Product Information**

**Information on likely routes of exposure**

**Inhalation** No known effect.

**Skin contact** May cause burns.

**Ingestion** No known effect.

**Eye contact** Risk of serious damage to eyes.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Acute toxicity** No known effect.

**Skin corrosion/irritation** Causes severe burns.

**Serious eye damage/eye irritation** Risk of serious damage to eyes.

**Skin sensitization** No known effect.

**Respiratory sensitization** No known effect.

**Germ cell mutagenicity** No known effect.

**Neurological Effects** No known effect.

**Reproductive toxicity** No known effect.

**Developmental toxicity** No known effect.

**Teratogenicity** No known effect.

**STOT - single exposure** No known effect.

**STOT - repeated exposure** No known effect.

**Target Organ Effects** No known effect.

**Aspiration hazard** No known effect.

**Carcinogenicity** No known effect.

**Component Information**

Chemical Name	CAS-No	Oral LD50	Dermal LD50	Inhalation LC50
Phosphonic acid, P,P'-(1-hydroxyethylidene)bis-, sodium salt (1:4)	3794-83-0	940 mg/kg bw (//OECD 401)	> 1650 mg/kg bw (//OECD 402)	-

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The product is not expected to be hazardous to the environment.

**Persistence and degradability** No information available.

**Bioaccumulative potential** .

**Mobility** No information available.

**Other adverse effects** No information available.

**13. DISPOSAL CONSIDERATIONS**

Waste treatment methods

**Waste from Residues/Unused Products** Products covered by this SDS, in their original form, when disposed as waste, are corrosive hazardous waste, D002, according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes (non-household setting)** 331

**14. TRANSPORT INFORMATION**

DOT

**UN no** UN1824  
**UN Proper shipping name** Sodium hydroxide solution  
**Description** UN1824, Sodium hydroxide solution, II  
**Hazard Class** 8  
**Packing Group** II  
**Special Provisions** B2, IB2, N34, T7, TP2  
**Packaging Exceptions** 154  
**Bulk packaging** 242  
**Non-bulk Packaging** 202  
**Emergency Response Guide Number** 154  
**DOT Comment** The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size

IMDG

**UN Number** UN1824  
**UN Proper shipping name** Sodium hydroxide solution  
**Description** UN1824, Sodium hydroxide solution, II  
**Transport hazard class(es)** 8  
**Packing Group** II  
**EmS-No** F-A, S-B  
**IMDG Comment** The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size.

IATA

**UN no** UN1824  
**UN Proper shipping name** Sodium hydroxide solution  
**Description** UN1824, Sodium hydroxide solution, II  
**Hazard Class** 8  
**Packing Group** II  
**ERG Code** 8L  
**Comments** . The shipper is responsible for identifying any exemptions, including Limited Quantity, that may apply based on package size.

**15. REGULATORY INFORMATION**

U.S. Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):.

Chemical Name	CAS-No	Hazardous Substances RQs	Extremely Hazardous Substances RQs	CERCLA/SARA 302 TPQ
Sodium hydroxide	1310-73-2	1000 lb	-	

**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.

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):.

Chemical Name	CAS-No	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide	1310-73-2	1000 lb	-	-	X

**California Proposition 65**

This product is not subject to warning labeling under California Proposition 65.

**U.S. State Regulations (RTK)**

Chemical Name	CAS-No	New Jersey
Sodium hydroxide	1310-73-2	X

Chemical Name	CAS-No	Massachusetts
Sodium hydroxide	1310-73-2	X

Chemical Name	CAS-No	Pennsylvania
Sodium hydroxide	1310-73-2	X

Chemical Name	CAS-No	Rhode Island
Sodium hydroxide	1310-73-2	X

**International Inventories**

**United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

United States Toxic Substances Control Act Section 8(b) Inventory (TSCA)

CEPA - Canadian Environmental Protection Act

**16. OTHER INFORMATION**

**HMIS Ratings**

**HMIS Ratings**

Health hazard 3  
Flammability 0  
Physical hazard 0

NFPA Ratings NFPA Ratings  
Health hazard 3  
Flammability 0  
Instability 0

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**Disclaimer.**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text

**End of SDS**