



MATERIAL SAFETY DATA SHEET

Version Number: 2

Preparation date: 2005-05-06

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Torpedo
Product code: 4315320
MSDS #: 4315_HT
Recommended use: Floor care.

Manufacturer, importer, supplier:
 US Headquarters Canadian Headquarters
 The Butcher Company JohnsonDiversey - Canada, Inc.
 8310 16th St. 2401 Bristol Circle
 Sturtevant, Wisconsin 53177-0902 Oakville, Ontario L6H 6P1
 Phone: 1-800-225-9475 Phone: 1-800-668-3131
 MSDS Internet Address:
 www.thebutchercompany.com

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

- WARNING
- CAUSES EYE BURNS
- CAUSES SKIN IRRITATION
- HARMFUL IF SWALLOWED

Principle routes of exposure: Skin contact. Eye contact. Inhalation. Ingestion.
Skin contact: Severe skin irritation.
Eye contact: Causes permanent eye damage, including blindness.
Inhalation: May be irritating to nose, throat, and respiratory tract.
Ingestion: Harmful if swallowed . Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %
Sodium hydroxide	1310-73-2	1 - 5%
Sodium hypochlorite	7681-52-9	3 - 7%

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

Skin contact: Flush immediately with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

Inhalation: If breathing is affected, remove to fresh air. Get medical attention.

Ingestion: Call medical attendant, doctor, or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor .

Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
 The product is not flammable. Dry chemical, water spray, foam, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

No information available

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific hazards: None known.**Unusual hazards:** Corrosive material (See sections 8 and 10).**Specific methods:** No special methods required**NFPA****Health:** 3**Flammability:** 0**Instability:** 0**6. ACCIDENTAL RELEASE MEASURES****Personal precautions:**

Put on appropriate personal protective equipment (see Section 8.).

Environmental precautions and clean-up methods:

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE**Handling:**

Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Wash thoroughly after handling. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Do not mix with any other product or chemical . FOR COMMERCIAL AND INDUSTRIAL USE ONLY .

Storage:

Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering measures to reduce exposure:**

No special ventilation requirements. General room ventilation is adequate. Respiratory protection is not required if good ventilation is maintained .

Personal Protective Equipment**Eye protection:**

Chemical splash goggles.

Hand protection:

Chemical resistant gloves.

Skin and body protection:

If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice .

Ingredient	ACGIH	OSHA	Mexico
Sodium hydroxide 1310-73-2	2 mg/m ³ (Ceiling)	2 mg/m ³	2 mg/m ³ (Ceiling)

HMIS**Health** 3**Fire Hazard** 0**Reactivity** 0**Personal protective equipment****9. PHYSICAL AND CHEMICAL PROPERTIES****Physical State:** Liquid**Color:** Yellow**pH:** 12.0-14.0**Specific gravity:** 1.082**Bulk density:** No information available**Evaporation rate:** No information available**Solubility:** Soluble**Solubility in other solvents:** No information available**Appearance:** Liquid**Odor:** Chlorine**Dilution pH:** No information available**Density:** No information available**Vapor density:** No information available**Viscosity:** No information available**VOC:** 0.0

Partition coefficient (n-octanol/water): No information available

Boiling point/range:	Not determined
Melting point/range:	Not determined
Flash point:	>200 (°F)>93.3 (°C)
Decomposition temperature:	Not determined
Autoignition temperature:	No information available

10. STABILITY AND REACTIVITY

Stability:	The product is stable
Polymerization:	Hazardous polymerisation does not occur
Materials to avoid:	Acids. Oxidising agents. Ammonia. Ammonium salts. Metals .
Conditions to avoid:	Do not mix with any other product or chemical . Strong sunlight for prolonged periods..
Hazardous decomposition products:	Chlorine.

11. TOXICOLOGICAL INFORMATION

Component Information:

HAZARDOUS COMPONENTS

Ingredient	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide	140 mg/kg (rat)	Not available	Not available
Sodium hypochlorite	5800 mg/kg (mouse)	Not available	Not available

Acute toxicity	Corrosive .
Chronic toxicity:	None known

Specific effects

Carcinogenic effects:	None known
Mutagenic effects:	None known
Reproductive toxicity:	None known
Target organ effects:	None known

12. ECOLOGICAL INFORMATION

Environmental Information: When used for its intended purpose this product should not cause adverse effects in the environment

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Undiluted product is regulated under environmental and transportation laws as a corrosive waste . Dispose of according to all federal, state and local applicable regulations .

RCRA Hazard Class: D002

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Philippines (PICCS), China (IECSC).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

Ingredient	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRK:
Sodium hydroxide	1310-73-2	Listed	Listed	Listed	Listed	Listed	Listed
Water	7732-18-5	-	-	-	-	-	-
2-propenoic acid, telomer with sodium hydrogen sulfite, sodium salt	68479-09-4	-	-	-	-	-	-
Sodium hypochlorite	7681-52-9	Listed	Listed	Listed	-	-	Listed
Octyl dimethyl amine oxide	2605-78-9	-	-	-	-	-	-
Sodium octane sulfonate	5324-84-5	-	-	-	-	-	-

CERCLA / SARA

Ingredient	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium hydroxide 1310-73-2	1 - 5%	1000		
Sodium hypochlorite 7681-52-9	3 - 7%	100		

Canada

WHMIS hazard class: E Corrosive material .



16. OTHER INFORMATION

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: None

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