

MATERIAL SAFETY DATA SHEET

Version Number: 1

Preparation date: 2008-01-14

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Torpedo Tile and Grout Restorer
MSDS #: MS0400130
Product Code: 4315320
Recommended use: Tile and grout restorer.

Manufacturer, importer, supplier:

US Headquarters
The Butcher Company
8310 16th St.
Sturtevant, Wisconsin 53177-0902
Phone: 1-800-225-9475
MSDS Internet Address:
www.thebutchercompany.com

Canadian Headquarters
JohnsonDiversey - Canada, Inc.
2401 Bristol Circle
Oakville, Ontario L6H 6P1
Phone: 1-800-668-3131

Emergency telephone number: 1-800-228-5635 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

- DANGER
- CORROSIVE
- CAUSES SKIN AND EYE BURNS
- HARMFUL OR FATAL IF SWALLOWED
- DO NOT MIX WITH ACIDS, TOILET BOWL CLEANERS, AMMONIA, OR ANY OTHER CHEMICAL
- USE ONLY IN WELL-VENTILATED AREAS

Principle routes of exposure:

Eye contact. Skin contact. Inhalation.

Eye contact:

Corrosive. Causes permanent eye damage, including blindness.

Skin contact:

Corrosive. Causes permanent damage.

Inhalation:

May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion:

Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous ingredients**

Ingredient(s)	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 15-20 minutes, keeping eyelids open. Get medical attention immediately.

Skin contact:

Immediately flush with plenty of water for 15-20 minutes . Get medical attention immediately.

Inhalation:

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

Ingestion:

If swallowed, rinse mouth. Give a cupful of water or milk . THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Aggravated Medical Conditions:

Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media:**

Dry chemical, water spray, foam, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

None.

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.

Autoignition temperature: No information available.

NEPA

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. Prevent product from entering drains. 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. Use only in well-ventilated areas. Avoid repeated or prolonged inhalation of vapors or spray mist which may cause cumulative effects. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

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

Good general ventilation should be sufficient to control airborne levels. 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:

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

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice

Ingredient(s)	ACGIH	OSHA	Mexico
Sodium hydroxide	2 mg/m ³ (Ceiling)	2 mg/m ³ (TWA)	2 mg/m ³ (Ceiling)

HMIS

Health 3

Fire Hazard 0

Reactivity 0

Personal protective equipment**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Liquid

Appearance: Liquid

9. PHYSICAL AND CHEMICAL PROPERTIES**Color:** Yellow**pH:** 13.25**Specific gravity:** 1.081**Bulk density:** No information available**Evaporation Rate:** No information available**Solubility:** completely soluble**Solubility in other solvents:** No information available**Partition coefficient (n-octanol/water):** No information available**Odor:** Lemon**Dilution pH:** Not applicable**Density:** 9.02 lbs/gal**Vapor density:** No information available**Viscosity:** No information available**VOC:** 0.13% *

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
Elemental Phosphorus:	0 %P

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability:	The product is stable
Polymerization:	Hazardous polymerization does not occur.
Materials to avoid:	Acids. Ammonia. Metals. Do not mix with any other product or chemical.
Conditions to avoid:	Do not freeze.
Hazardous decomposition products:	Chlorine.

11. TOXICOLOGICAL INFORMATION**Hazardous ingredients**

Ingredient(s)	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Sodium hydroxide	140	1350 mg/kg	Not available
Sodium hypochlorite	8200	>10000 mg/kg	Not available

Acute toxicity:	Oral LD50 estimated to be greater than 5000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg
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:	No data available
-----------------------------------	-------------------

13. DISPOSAL CONSIDERATIONS**Waste from residues / unused products:**

Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of observing national or local regulations.

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), New Zealand (NZIoC).

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

CERCLA/ SARA

Ingredient(s)	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		

SARA 311/312 Hazard Categories

Immediate: X
Delayed: -
Fire: -
Reactivity: -
Sudden Release of Pressure: -

Canada

WHMIS hazard class: E Corrosive material .

**16. OTHER INFORMATION**

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: None

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.