



MATERIAL SAFETY DATA SHEET

Version Number: 1

Preparation date: 2008-07-14

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: TURBULANCE DISINFECTANT CLEANER
MSDS #: MS0400150
Product Code: 4393041
Recommended use: Disinfectant Cleaner. This product is intended to be diluted prior to use.

Manufacturer, importer, supplier:

US Headquarters
The Butcher Company
8310 16th St.
Sturtevant, Wisconsin 53177-1964
Phone: 1-800-225-9475
MSDS Internet Address:
www.thebutchercompany.com

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

Principle routes of exposure: Eye contact. Skin contact. Inhalation. Ingestion.
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 %
Dodecylbenzene sulfonic acid	68584-22-5	1 - 5%
Hydrogen peroxide	7722-84-1	5 - 10%

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**Suitable extinguishing media:**

The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

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 and suitable protective clothing including gloves and eye/face protection.

Specific hazards: None known.**Unusual hazards:** Corrosive material (See sections 8 and 10).**Specific methods:** None known.**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. Prevent product from entering drains.**7. HANDLING AND STORAGE****Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. 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
Hydrogen peroxide	1 ppm (TWA)	1 ppm (TWA) 1.4 mg/m ³ (TWA)	2 ppm (STEL) 3 mg/m ³ (STEL) 1.5 mg/m ³ (TWA) 1 ppm (TWA)

HMS**Health 3****Fire Hazard 0****Reactivity 0****Personal protective equipment****9. PHYSICAL AND CHEMICAL PROPERTIES**

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State:** Liquid**Color:** Clear**pH:** 1.9**Specific gravity:** 1.09**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**Appearance:** Liquid**Odor:** No Odor/Odorless**Dilution pH:** 2.5 (1:17)**Density:** No information available.**Vapor density:** No information available**Viscosity:** No information available**VOC: % as concentrate** 0% *

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:	6.15 %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:	Stable at normal conditions.
Polymerization:	Hazardous polymerization does not occur.
Materials to avoid:	Reducing agents. Bases .
Conditions to avoid:	None known.
Hazardous decomposition products:	Oxides of carbon . Hydrogen sulfide . Oxides of phosphorus. Oxygen.

11. TOXICOLOGICAL INFORMATION**Hazardous ingredients**

Ingredient(s)	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Dodecylbenzene sulfonic acid	530	Not available	Not available
Hydrogen peroxide	801	=2000 mg/kg	2 mg/L (4 h)

Acute toxicity: Corrosive
LD50 estimated to be between 2000 - 5000 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

Hazardous ingredients

Ingredient(s)	NTP	IARC	OSHA
Hydrogen peroxide 7722-84-1		3	

12. ECOLOGICAL INFORMATION**Environmental Information:** No data available**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products:**

Dispose of in compliance with all Federal, state, provincial, and local laws and 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).

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:
Water	7732-18-5	-	-	-	-
Phosphonic acid	2809-21-4	-	-	-	-
Arylsulfonated sodium salts	147732-60-3	-	-	-	-
Dodecylbenzene sulfonic acid	68584-22-5	-	-	-	-
Polyethylene glycol monooleyl ether	9004-98-2	-	-	-	-
Hydrogen peroxide	7722-84-1	X	X	X	X
Tripotassium phosphate	7778-53-2	-	-	-	-

CERCLA/ SARA

Ingredient(s)	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Hydrogen peroxide 7722-84-1	5 - 10%		1000	

SARA 311/312 Hazard Categories

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

Canada

DIN No. : 02244517

WHMIS hazard class: Non-controlled.

16. OTHER INFORMATION

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: None

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