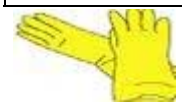
MATERIAL SAFETY DATA SHEET

JohnsonDiversey
Clean is just the beginning

TREXCIDE 390

HMIS		NFPA	Personal protective equipment
Health	3	3	  
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 1 *Preparation date: 2004-11-04*

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: TREXCIDE 390

MSDS #: 45691500268
Product code: 3359191
Recommended use: Biocide.

Manufacturer, importer, supplier:

US Headquarters
JohnsonDiversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-0902
Phone: 1-888-352-2249
MSDS Internet Address:
www.johnsondiversey.com

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

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
DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS . OXIDIZER . CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE .

Principle routes of exposure: Eyes. Skin. Inhalation.
Skin contact: Corrosive. May cause permanent damage. Harmful if absorbed through skin .
Eye contact: Corrosive. Causes irreversible eye damage .
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: May be irritating to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
1-bromo-3-chloro-5,5-dimethylhydantoin	16079-88-2	30 - 40%	Not available	Not available	Not available

4. FIRST AID MEASURES

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call medical attendant, medical doctor, or poison control center .

Skin contact: Take off contaminated clothing . Rinse skin immediately with plenty of water for 15-20 minutes . Call medical attendant, medical doctor, or poison control center . Remove and wash contaminated clothing and footwear before re-use.

Inhalation: If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Call medical attendant, medical doctor, or poison control center .

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 . Never give anything by mouth to an unconscious person.

Notes to physician: Probable mucosal damage may contraindicate the use of gastric lavage .

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: Flood with water. . Do not use dry chemical extinguishing agents. Violent reaction may result .
Specific hazards: Oxidizer . Decomposition releases oxygen, which may intensify fire . In large fires fueled by other materials, this product may smolder for prolonged periods emitting a dense, black smoke . Any spilled material should be considered contaminated . Neutralize to a non-oxidizing material for safe disposal . Fires fueled by other materials may release hydrogen bromide, bromine, hydrogen chloride, or chlorine .
Unusual hazards: Oxidizer . Decomposition releases oxygen, which may intensify fire .
Specific methods: In case of fire or smoke, call the fire department . Do not attempt to extinguish the fire without a self-contained breathing apparatus (SCBA) . Do not let the fire burn. Flood with copious amounts of water . DO NOT use ABC or other dry chemical extinguishers since there is potential for violent reaction .

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
Extinguishing media which must not be used for safety reasons: Do not use dry chemical extinguishing agents. Violent reaction may result . Ammonium phosphate (ABC) fire extinguishers should not be used .

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Use appropriate containment to avoid environmental contamination. Water runoff can cause environmental damage. Prevent product from entering drains. Soak up with inert absorbent material. Using clean equipment, sweep and scoop all spilled material, contaminated soil, and other spilled material and place into clean, dry, plastic containers for disposal .

7. HANDLING AND STORAGE

Handling:
OXIDIZER . CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE . Do not mix with any other product or chemical . Mix only with water . Use clean, dry utensils . Do not add this product to any dispensing device containing remnants of any other products. Such use may cause a violent reaction leading to fire or explosion . Contamination with organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion . In case of contamination do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water .
Storage:
Keep this product dry in original tightly closed container when not in use . Store in a cool, dry, well ventilated area away from heat or open flame . In case of decomposition, isolate container if possible and flood area with large amounts of water to dissolve all material before discarding this container . Do not contaminate food or feed by storage or disposal .

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:
General room ventilation plus local exhaust should be used to minimize exposure to vapors .

Personal Protective Equipment

Eye protection: Chemical splash goggles.
Hand protection: Rubber 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. 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 . Remove and wash contaminated clothing and footwear before re-use. Facilities storing or utilizing this material should be equipped with an eyewash and safety shower .

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: White
Odor: No information available
Specific gravity: 1.10 g/cc
Dilution pH: 3.2 - 3.8 (1%)
Bulk density: No information available
Vapor density: No information available
Evaporation rate: No information available
Solubility in other solvents: No information available
Viscosity: Variable
Partition coefficient (n-octanol/water): No information available

Appearance: Suspension
Boiling point/range: Not determined
Melting point/range: Not determined
pH: No information available
Density: 1.10 g/ml
Decomposition temperature: Not determined
Autoignition temperature: No information available
Solubility: Dispersible
VOC: No information available

Flash point: >200 (°F) >100 (°C)

10. STABILITY AND REACTIVITY

Stability: The product is stable
Polymerization: Hazardous polymerisation does not occur
Hazardous decomposition products: Hydrogen bromide . Bromine . Hydrogen chloride . Chlorine.
Materials to avoid: Avoid contact with water on concentrated material in the container. Avoid contact with easily oxidizable material; ammonia, urea or similar nitrogen containing compounds; inorganic reducing compounds; floor sweeping compounds; calcium hypochlorite; alkalis; or any organic materials .

11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral, LD50 estimated to be > 2000 mg/kg.
Component Information: See Section 3

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: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:
Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire . Wastes resulting from the use of this product may be dispised of on site or at an approved waste disposal facility .
RCRA Hazard Class: D001

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).

U.S. Regulations
EPA Reg. No. : 5185-487-70627
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:	CTRTK:
1-bromo-3-chloro-5,5-dimethylhydantoin	16079-88-2	-	-	-	-	-	-

CERCLA / SARA

Ingredient	CAS #	Weight %	RQ	Section 302/TPQs	Section 313
1-bromo-3-chloro-5,5-dimethylhydantoin	16079-88-2	30 - 40%	100 lb	N/A	None

CAA HAP/CAA ODS/CWA Priority Pollutants: None

Immediate: Yes
Fire: Yes

Canada
WHMIS hazard class: Non-controlled.

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

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