

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: <i>microdot</i> ® BLEACH WIPE		
PRODUCT DESCRIPTION: WIPE PRESATURATED WITH PRE-DILUTED BLEACH		
TRADE NAME: <i>microdot</i> ® BLEACH WIPE GENERAL USE: Hospital Disinfectant CHEMICAL FAMILY: Sodium hypochlorite PRODUCT DESCRIPTION: Bleach disinfectant formula absorbed on towels. Mild bleach odor.	<i>microdot</i>® BLEACH WIPE HOSPITAL CLEANER DISINFECTANT TOWELS WITH BLEACH	
MANUFACTURER: MEDTROL, INC.	MANUFACTURED FOR: CAMBRIDGE SENSORS USA, LLC	DATE PREPARED: September 25, 2012
ADDRESS: 7157 N. AUSTIN AV. NILES, IL 60714	ADDRESS: 10051 BODE RD. PLAINFIELD, IL 60585	TELEPHONE NUMBER FOR INFORMATION / CUSTOMER SERVICE: 877-374-4062
24-HOUR EMERGENCY TELEPHONE NUMBER: CHEMTREC 800-424-9300		

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Components	% (by Weight)	CAS#
Sodium hypochlorite	<1.05%	7681-52-9
Notes: * The balance of ingredients not listed above are non-hazardous as defined in the OSHA hazard communication standard 29CFR 1910.1200.		

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
 Avoid contact with eyes, skin, and clothing as this product may produce irritation. Do not allow this product to contact acidic materials as hazardous chlorine gas may be released.

POTENTIAL HEALTH EFFECTS

INHALATION:
 No adverse effects are anticipated from inhalation.

SKIN:
 Normal exposure (contact) is not likely to cause significant skin irritation.

EYES:
 Causes moderate eye irritation.

INGESTION:
 May cause gastrointestinal irritation and upset.

CARCINOGENICITY:
 NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO
 CALIFORNIA, Prop.65? NO

SECTION 4 - FIRST AID MEASURES

INHALATION:
 No specific treatment - suspected hazard by this route is minimal. **Note to Physician:** No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

EYES:
 If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eyes. Seek medical attention if irritation persists.

SKIN:
 Wash with soap and water. No further first aid should be required.

INGESTION:
 No specific treatment - suspected hazard by this route is minimal.

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SECTION 5 – FIRE FIGHTING MEASURES								
GENERAL HAZARDS: Product is minimally flammable FP≥ 101°C (215°F). Chlorine may be released from this product in the presence of acids.								
EXTINGUISHING MEDIA: Water fog, carbon dioxide and dry chemical to fight surrounding fire.								
FIRE FIGHTING PROCEDURES: Wear SCBA when fighting fires involving this as a precaution.								
UNUSUAL FIRE AND EXPLOSION: None.								
HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide, Carbon Dioxide, smoke, organic vapors from dried and heated towels in fore conditions.								
SECTION 6 – ACCIDENTAL RELEASE MEASURES								
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Isolate damaged goods. Spills should be diluted with water, then absorbed with sand, clay, or earth. Dispose of saturated absorbent materials appropriately since spontaneous heating may occur.								
SECTION 7 – HANDLING AND STORAGE								
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Ventilation: Good general ventilation should be sufficient for most conditions. Respiratory Protection: No respiratory protection should be needed. Protective Clothing: No precautions other than clean body covering clothing should be needed. Gloves are recommended. Eye Protection: Use safety glasses or equivalent protection to avoid eye contact.								
SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION								
HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	PEL ppm	PEL mg/m3
Sodium Hypochlorite				10 IDLH		2		2
PERSONAL PROTECTION								
RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA's 29 CFR 1910.134, ANSI Z88.2 requirements must be followed whenever workplace concentrations of this product in air exceed the published TL V's.								
PROTECTIVE GLOVES: Impervious rubber, or nitrile gloves are advised if prolonged or repeated exposure is likely.								
EYE PROTECTION: Use safety glasses with protective side shields to avoid eye contact.								
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not required.								
WORK / HYGIENIC PRACTICES: Wash with soap and water after contact.								
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES								
APPEARANCE AND ODOR Clear, colorless solution with a mild bleach odor.				VAPOR PRESSURE 17.5mmHg at 20 °C				
pH 10.0-12.0				SPECIFIC GRAVITY (WATER = 1) 1.015@25QC.				
BOILING POINT / BOILING RANGE 100°C (212°F)				SOLUBILITY IN WATER Completely soluble (for liquid) .				
FLASH POINT > 1 01 QC (>215QF)				VISCOSITY NA				
FLAMMABLE LIMITS LEL: NE UEL: NE				VAPOR DENSITY (AIR = 1) NR				
AUTOIGNITION TEMPERATURE NE				EVAPORATION RATE (WATER = 1) NR				

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SECTION 10 – STABILITY AND REACTIVITY			
STABILITY: The product is stable under normal use and storage conditions.		CONDITIONS TO AVOID: Excessive heat and light exposure. Avoid contact with incompatible materials listed in the following section:	
INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with acids, reducing agents, ammonia, or heavy metals such as nickel, cobalt, copper, and iron. Reacts with other household chemicals such as toilet bowl cleaners, rust removers, vinegar, acids or ammonia containing products to produce hazardous gases, such as chlorine and other chlorinated species.			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Chlorine in the presence of acids.			
HAZARDOUS POLYMERIZATION: Will not occur.		CONDITIONS TO AVOID: None related to polymerization.	
SECTION 11 – TOXICOLOGICAL INFORMATION			
Hazardous Components	CAS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Sodium hypochlorite	7681-52-9	Oral, mouse: LD50 = 5800 mg/kg	NE
In the case of medical emergency, contact your local poison control center.			
SECTION 12 – ECOLOGICAL INFORMATION			
No information is available for this blended product.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Isolate damaged goods. Spills should be diluted with water, then absorbed with sand, clay, or earth. Dispose of saturated absorbent materials appropriately since spontaneous heating may occur. Landfill in a permitted waste disposal facility in accordance with all local, state, and federal regulations.			
SECTION 14 – TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Not regulated			
DOT HAZARD CLASS I Pack Group: Not regulated		IATA HAZARD CLASS / Pack Group: Contact Manufacturer	
REFERENCE: 49CFR172, 49CFR173		IMDG HAZARD CLASS: Contact Manufacturer	
UN / NA IDENTIFICATION NUMBER: Not Regulated		RID/ADR Dangerous Goods Code: Contact Manufacturer	
LABEL: Not Regulated		UN TDG Class I Pack Group: Contact Manufacturer	
HAZARD SYMBOLS: NONE		Hazard Identification Number (HIN): Contact Manufacturer	
Refer to 49CFR172 and 49CFR173 for pertinent regulations			
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TOG, and WHMIS (Canada) TOG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.			
SECTION 15 – REGULATORY INFORMATION			
TSCA (USA - Toxic Substance CONTROL ACT):		Listed.	
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):			
Acute Health: Yes	Chronic Health:	No	
Fire: No	Sudden Release of Pressure:	No	
Reactive: No			
313 REPORTABLE INGREDIENTS: None reportable.			
ERCLA (USA - Comprehensive Response Compensation and Liability Act):		CAS# 7681-52-9: 100 lb final RQ; 45.4 kg final RQ. CAS# 1310-73-2: 1000 lb final RQ; 454 kg final RQ.	

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SECTION 16 – OTHER INFORMATION

Legend: NA=Not Applicable NE=Not established NR=Not Reported

HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	2 0 1 B Glasses and gloves	0= INSIGNIFICANT 1= SLIGHT 2= MODERATE 3= HIGH 4= EXTREME
NFPA HAZARD RATINGS	HEALTH: FLAMMABILITY: REACTIVITY: SPECIAL HAZARDS:	0 0 1 OX	0= NONE 1= SLIGHT / LITTLE 2= MODERATE 3= HIGH / SERIOUS 4= EXTREME