

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

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

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| <b>EMERGENCY OVERVIEW:</b><br>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. |  |  |
| <b>POTENTIAL HEALTH EFFECTS</b>  |  |  |
| <b>INHALATION:</b><br>No adverse effects are anticipated from inhalation.  |  |  |
| <b>SKIN:</b><br>Normal exposure (contact) is not likely to cause significant skin irritation.  |  |  |
| <b>EYES:</b><br>Causes moderate eye irritation.  |  |  |
| <b>INGESTION:</b><br>May cause gastrointestinal irritation and upset.  |  |  |
| <b>CARCINOGENICITY:</b><br>NTP? NO                      IARC MONOGRAPHS? NO                      OSHA REGULATED? NO<br>CALIFORNIA, Prop.65? NO   |  |  |

## SECTION 4 - FIRST AID MEASURES

|   |  |  |
|---|--|--|
| <b>INHALATION:</b><br>No specific treatment - suspected hazard by this route is minimal. <b>Note to Physician:</b> No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient. |  |  |
| <b>EYES:</b><br>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. |  |  |
| <b>SKIN:</b><br>Wash with soap and water. No further first aid should be required.  |  |  |
| <b>INGESTION:</b><br>No specific treatment - suspected hazard by this route is minimal.   |  |  |

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| PRODUCT NAME: <i>microdot</i> ® BLEACH WIPE  |         |                       |          |  |             |                       |         |                       |
| PRODUCT DESCRIPTION: WIPE PRESATURATED WITH PRE-DILUTED BLEACH   |         |                       |          |  |             |                       |         |                       |
| <b>SECTION 5 – FIRE FIGHTING MEASURES</b>  |         |                       |          |  |             |                       |         |                       |
| GENERAL HAZARDS:<br>Product is minimally flammable FP≥ 101°C (215°F). Chlorine may be released from this product in the presence of acids.   |         |                       |          |  |             |                       |         |                       |
| EXTINGUISHING MEDIA:<br>Water fog, carbon dioxide and dry chemical to fight surrounding fire.  |         |                       |          |  |             |                       |         |                       |
| FIRE FIGHTING PROCEDURES:<br>Wear SCBA when fighting fires involving this as a precaution.   |         |                       |          |  |             |                       |         |                       |
| UNUSUAL FIRE AND EXPLOSION:<br>None.   |         |                       |          |  |             |                       |         |                       |
| HAZARDOUS COMBUSTION PRODUCTS:<br>Carbon Monoxide, Carbon Dioxide, smoke, organic vapors from dried and heated towels in fore conditions.  |         |                       |          |  |             |                       |         |                       |
| <b>SECTION 6 – ACCIDENTAL RELEASE MEASURES</b>   |         |                       |          |  |             |                       |         |                       |
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:<br>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.   |         |                       |          |  |             |                       |         |                       |
| <b>SECTION 7 – HANDLING AND STORAGE</b>  |         |                       |          |  |             |                       |         |                       |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:<br>Ventilation: Good general ventilation should be sufficient for most conditions.<br>Respiratory Protection: No respiratory protection should be needed.<br>Protective Clothing: No precautions other than clean body covering clothing should be needed. Gloves are recommended.<br>Eye Protection: Use safety glasses or equivalent protection to avoid eye contact. |         |                       |          |  |             |                       |         |                       |
| <b>SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION</b>   |         |                       |          |  |             |                       |         |                       |
| HAZARDOUS COMPONENTS   | NIOSH   |                       |          |  | ACGIH       |                       | OSHA    |                       |
|  | TWA ppm | TWA mg/m <sup>3</sup> | STEL ppm | STEL mg/m <sup>3</sup>                                   | TLV/TWA ppm | TWA mg/m <sup>3</sup> | PEL ppm | PEL mg/m <sup>3</sup> |
| Sodium Hypochlorite  |         |                       |          | 10 IDLH  |             | 2                     |         | 2                     |
| <b>PERSONAL PROTECTION</b>   |         |                       |          |  |             |                       |         |                       |
| RESPIRATORY PROTECTION:<br>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:<br>Impervious rubber, or nitrile gloves are advised if prolonged or repeated exposure is likely.  |         |                       |          |  |             |                       |         |                       |
| EYE PROTECTION:<br>Use safety glasses with protective side shields to avoid eye contact.   |         |                       |          |  |             |                       |         |                       |
| OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not required.  |         |                       |          |  |             |                       |         |                       |
| WORK / HYGIENIC PRACTICES:<br>Wash with soap and water after contact.  |         |                       |          |  |             |                       |         |                       |
| <b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>  |         |                       |          |  |             |                       |         |                       |
| APPEARANCE AND ODOR<br>Clear, colorless solution with a mild bleach odor.  |         |                       |          | VAPOR PRESSURE<br>17.5mmHg at 20 °C                      |             |                       |         |                       |
| pH<br>10.0-12.0  |         |                       |          | SPECIFIC GRAVITY (WATER = 1)<br>1.015@25QC.              |             |                       |         |                       |
| BOILING POINT / BOILING RANGE<br>100°C (212°F)   |         |                       |          | SOLUBILITY IN WATER<br>Completely soluble (for liquid) . |             |                       |         |                       |
| FLASH POINT<br>> 1 01 QC (>215QF)  |         |                       |          | VISCOSITY<br>NA  |             |                       |         |                       |
| FLAMMABLE LIMITS<br>LEL: NE UEL: NE  |         |                       |          | VAPOR DENSITY (AIR = 1)<br>NR                            |             |                       |         |                       |
| AUTOIGNITION TEMPERATURE<br>NE   |         |                       |          | EVAPORATION RATE (WATER = 1)<br>NR                       |             |                       |         |                       |

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| <b>SECTION 10 – STABILITY AND REACTIVITY</b>   |              |   |   |
| STABILITY:<br>The product is stable under normal use and storage conditions.   |              | CONDITIONS TO AVOID:<br>Excessive heat and light exposure. Avoid contact with incompatible materials listed in the following section: |   |
| INCOMPATIBILITY (MATERIALS TO AVOID):<br>Avoid contact with acids, reducing agents, ammonia, or heavy metals such as nickel, cobalt, copper, and iron.<br>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:<br>Chlorine in the presence of acids.   |              |   |   |
| HAZARDOUS POLYMERIZATION:<br>Will not occur.   |              | CONDITIONS TO AVOID:<br>None related to polymerization.   |   |
| <b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>  |              |   |   |
| <b>Hazardous Components</b>  | <b>CAS #</b> | <b>LD50 of Ingredient<br/>(Specify Species and Route)</b>   | <b>LC50 of Ingredient<br/>(Specify Species)</b> |
| Sodium hypochlorite  | 7681-52-9    | Oral, mouse: LD50 = 5800 mg/kg  | NE  |
| In the case of medical emergency, contact your local poison control center.  |              |   |   |
| <b>SECTION 12 – ECOLOGICAL INFORMATION</b>   |              |   |   |
| No information is available for this blended product.  |              |   |   |
| <b>SECTION 13 - DISPOSAL CONSIDERATIONS</b>  |              |   |   |
| WASTE DISPOSAL METHOD:<br>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.                               |              |   |   |
| <b>SECTION 14 – TRANSPORT INFORMATION</b>  |              |   |   |
| 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: <b>NONE</b>  |              | 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.   |              |   |   |
| <b>SECTION 15 – REGULATORY INFORMATION</b>   |              |   |   |
| 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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| <b>SECTION 16 – OTHER INFORMATION</b>                              |  |  |   |
| Legend: NA=Not Applicable    NE=Not established    NR=Not Reported |  |  |   |
| HMIS HAZARD RATINGS  | HEALTH:<br>FLAMMABILITY:<br>PHYSICAL HAZARD:<br>PERSONAL PROTECTIVE EQUIPMENT: | 2<br>0<br>1<br>B<br>Glasses and gloves | 0= INSIGNIFICANT<br>1= SLIGHT<br>2= MODERATE<br>3= HIGH<br>4= EXTREME           |
| NFPA HAZARD RATINGS  | HEALTH:<br>FLAMMABILITY:<br>REACTIVITY:<br>SPECIAL HAZARDS:                    | 0<br>0<br>1<br>OX                      | 0= NONE<br>1= SLIGHT / LITTLE<br>2= MODERATE<br>3= HIGH / SERIOUS<br>4= EXTREME |
|  |  |  |   |