

SAFETY DATA SHEET

microdot® Bleach Wipe

Product and Company Identification

PRODUCT NAME: microdot® BLEACH WIPE
PRODUCT DESCRIPTION: WIPE PRESATURATED WITH PRE-DILUTED BLEACH
TRADE NAME: microdot® BLEACH WIPE
GENERAL USE: Hospital Disinfectant
CHEMICAL FAMILY: Sodium hypochlorite
PRODUCT DESCRIPTION: Bleach disinfectant formula absorbed on towels. Mild bleach odor.
microdot® BLEACH WIPE
HOSPITAL CLEANER DISINFECTANT TOWELS WITH BLEACH
MANUFACTURER: MEDLINE, INC.
MANUFACTURED FOR: CAMBRIDGE SENSORS USA, LLC
DATE PREPARED: September 25, 2012
ADDRESS: ONE MEDLINE PLACE MUNDELEIN, IL 60060
ADDRESS: 10051 BODE RD. PLAINFIELD, IL 60585
TELEPHONE NUMBER FOR INFORMATION / CUSTOMER SERVICE: 800- 633-5463
24-HOUR EMERGENCY TELEPHONE NUMBER: CHEMTREC 800-424-9300

Section II - Composition/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 III - 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

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Section IV - 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.

Section V - Fire Fighting Measures

GENERAL HAZARDS: Product is minimally flammable $FP \geq 101^{\circ}C$ (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 VI - 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 VI - Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

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.

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 VIII - Exposure Controls / Personal Protection

HAZARDOUS COMPONENTS

	NIOSH			ACGIH		OSHA		
	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	TLV/TWA ppm	TWA mg/m ³	PEL ppm	PEL mg/m ³
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 TLV'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.

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Section IX - Physical and Chemical Properties

APPEARANCE AND ODOR

Clear, colorless solution with a mild bleach odor.

pH

10.0-12.0

BOILING POINT / BOILING RANGE

100°C (212°F)

FLASH POINT

> 1 01 QC (>215QF)

FLAMMABLE LIMITS

LEL: NE UEL: NE

AUTOIGNITION TEMPERATURE

NE

VAPOR PRESSURE

17.5mmHg at 20 °C

SPECIFIC GRAVITY (WATER = 1)

1.015@25QC.

SOLUBILITY IN WATER

Completely soluble (for liquid) .

VISCOSITY

NA

VAPOR DENSITY (AIR = 1)

NR

EVAPORATION RATE (WATER = 1)

NR

Section IX - 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 XI - 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 XII - Ecological Information

No information is available for this blended product.

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Section XIII - 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 XIV - Transport Information

PROPER SHIPPING NAME: Not regulated

IATA HAZARD CLASS / Pack Group: Contact Manufacturer

DOT HAZARD CLASS I Pack Group: Not regulated

IMDG HAZARD CLASS: Contact Manufacturer

REFERENCE: 49CFR172, 49CFR173

RID/ADR Dangerous Goods Code: Contact Manufacturer

UN / NA IDENTIFICATION NUMBER: Not Regulated

UN TDG Class I Pack Group: Contact Manufacturer

LABEL: Not Regulated

Hazard Identification Number (HIN): Contact Manufacturer

HAZARD SYMBOLS: NONE

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 XV - 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.

Section XVI - Other Information

Legend: NA=Not Applicable

NE=Not established

NR=Not Reported

HMIS HAZARD RATINGS

HEALTH:

2

FLAMMABILITY:

0

PHYSICAL HAZARD:

1

PERSONAL PROTECTIVE:

B

EQUIPMENT:

Glasses and gloves

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = EXTREME

NFPA HAZARD RATINGS

HEALTH:

0

FLAMMABILITY:

0

REACTIVITY:

1

SPECIAL HAZARDS::

OX

0 = NONE

1 = SLIGHT / LITTLE

2 = MODERATE

3 = HIGH / SERIOUS

4 = EXTREME