



# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: <i>microdot</i> ® BLEACH WIPE								
PRODUCT DESCRIPTION: WIPE PRESATURATED WITH PRE-DILUTED BLEACH								
<b>SECTION 5 – FIRE FIGHTING MEASURES</b>								
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.								
<b>SECTION 6 – ACCIDENTAL RELEASE MEASURES</b>								
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.								
<b>SECTION 7 – HANDLING AND STORAGE</b>								
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.								
<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: 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.								
<b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>								
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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<b>SECTION 10 – STABILITY AND REACTIVITY</b>			
<b>STABILITY:</b> The product is stable under normal use and storage conditions.		<b>CONDITIONS TO AVOID:</b> Excessive heat and light exposure. Avoid contact with incompatible materials listed in the following section:	
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b> 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.			
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b> Chlorine in the presence of acids.			
<b>HAZARDOUS POLYMERIZATION:</b> Will not occur.		<b>CONDITIONS TO AVOID:</b> None related to polymerization.	
<b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>			
<b>Hazardous Components</b>	<b>CAS #</b>	<b>LD50 of Ingredient (Specify Species and Route)</b>	<b>LC50 of Ingredient (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>			
<b>WASTE DISPOSAL METHOD:</b> 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>			
<b>PROPER SHIPPING NAME:</b> Not regulated <b>DOT HAZARD CLASS I Pack Group:</b> Not regulated <b>REFERENCE:</b> 49CFR172, 49CFR173 <b>UN / NA IDENTIFICATION NUMBER:</b> Not Regulated <b>LABEL:</b> Not Regulated <b>HAZARD SYMBOLS:</b> NONE			
		<b>IATA HAZARD CLASS / Pack Group:</b> Contact Manufacturer <b>IMDG HAZARD CLASS:</b> Contact Manufacturer <b>RID/ADR Dangerous Goods Code:</b> Contact Manufacturer <b>UN TDG Class I Pack Group:</b> Contact Manufacturer <b>Hazard Identification Number (HIN):</b> 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>			
<b>TSCA (USA - Toxic Substance CONTROL ACT):</b> <b>SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):</b>		Listed. Chronic Health: No Sudden Release of Pressure: No	
Acute Health: Yes Fire: No Reactive: No			
<b>313 REPORTABLE INGREDIENTS:</b> None reportable. <b>ERCLA (USA - Comprehensive Response Compensation and Liability Act) :</b>			
		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