MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **DISPATCH® HOSPITAL CLEANER DISINFECTANT WITH BLEACH**

PRODUCT NUMBER: **68963-8 oz Pump Spray Bottle** **DATE: July 10,2009**
68967-22 oz Trigger Spray Bottle
68970-32 oz Trigger Spray Bottle
68832-32 oz Pull Top Bottle
68973-64 oz Refill
68978-128 oz Refill.

TRADE NAME: Dispatch® Hospital Cleaner Disinfectant With Bleach.
GENERAL USE: Hospital Disinfectant
CHEMICAL FAMILY: Sodium Hypochlorite
PRODUCT DESCRIPTION:
Bleach disinfectant formula packaged in plastic containers. Mild bleach odor.

DISPATCH® CALTECH®
HOSPITAL CLEANER DISINFECTANT WITH BLEACH

MANUFACTURER
Caltech Industries, Inc.

DATE PREPARED: July 10, 2009
SUPERSEDES: November 15, 2004

ADDRESS (NUMBER, STREET, P.O. BOX)
4520 E. Ashman Road, Suite C

TELEPHONE NUMBER FOR INFORMATION / Customer Service
800-234-7700

(CITY, STATE AND ZIP CODE) COUNTRY
Midland, MI 48642-8911 USA

CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER
ChemTel INC.
1-800-255-3924
North America Toll Free

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #
Sodium hydroxide	**<0.2%**	**1310-73-2**
Sodium metasilicate	**<0.6%**	**6834-92-0**
Sodium hypochlorite	**<1.0%**	**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. Call a Poison Control Center or doctor for further treatment advice.

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 Flashpoint >101ºC (215ºF) . 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 product as a precaution.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None.

HAZARDOUS COMBUSTION PRODUCTS:
Chlorine in the presence of acids.

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

	NIOSH				ACGIH		OSHA	
HAZARDOUS COMPONENTS	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	PEL ppm	PEL mg/m3
Sodium hydroxide				10 IDLH		2		2
Sodium metasilicate	NE	NE	NE	NE	NE	NE	NE	NE
Sodium hypochlorite	NE	NE	NE	NE	NE	NE	NE	NE

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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Clear, colorless solution with a mild bleach odor.	VAPOR PRESSURE 17.5mmHg at 20℃
pH 12.2	SPECIFIC GRAVITY (WATER = 1) 1.015 @25ºC.
BOILING POINT / BOILING RANGE 100℃ (212℉)	SOLUBILITY IN WATER Completely soluble (for liquid).
FLASH POINT >101ºC (>215ºF)	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	STABLE	**X**	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.

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 hydroxide	1310-73-2	Oral, rat: LD50 ≥90 mL/kg (in this product)	NE
Sodium metasilicate	6834-92-0	Oral, rat: LD50 ≥90 mL/kg (in this product)	NE
Sodium hypochlorite	7681-52-9	Oral, mouse: LD50 = 5800 mg/kg	NE

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 / 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 / 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 TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

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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.

CERCLA (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 16 - OTHER INFORMATION

Legend: NA=Not applicable NE= Not established NR= Not reported

HMIS HAZARD RATINGS	HEALTH:	2	0 = INSIGNIFICANT
	FLAMMABILITY:	0	1 = SLIGHT
	PHYSICAL HAZARD:	1	2 = MODERATE
	PERSONAL PROTECTIVE EQUIPMENT:	B	3 = HIGH 4 = EXTREME
NFPA HAZARD RATINGS	HEALTH:	0	0 = NONE
	FLAMMABILITY:	0	1 = SLIGHT/LITTLE
	REACTIVITY:	1	2 = MODERATE
	SPECIAL HAZARDS:	OX	3 = HIGH/SERIOUS
	* - Refers to NFPA recognized Hazards Only		4 = EXTREME

REVISION SUMMARY:
Revised with additional information 7/10/2009, supercedes 11/15/2004 version. JTV/LB

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.