# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT NAME:</th>
<th>DISPATCH® HOSPITAL CLEANER DISINFECTANT WITH BLEACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>DATE:</td>
<td>July 10, 2009</td>
</tr>
</tbody>
</table>

**Manufacturers**

<table>
<thead>
<tr>
<th>NAME</th>
<th>Caltech Industries, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS (NUMBER, STREET, P.O. BOX)</td>
<td>4520 E. Ashman Road, Suite C</td>
</tr>
<tr>
<td>(CITY, STATE AND ZIP CODE)</td>
<td>Midland, MI 48642-8911</td>
</tr>
<tr>
<td>COUNTRY</td>
<td>USA</td>
</tr>
</tbody>
</table>

**Chemical Family:**

Sodium Hypochlorite

**Trade Name:**

DISPATCH® HOSPITAL CLEANER DISINFECTANT WITH BLEACH

**Date Prepared:**

July 10, 2009

**Supersedes:**

November 15, 2004

**Telephone Number for Information / Customer Service:**

800-234-7700

**ChemTel 24-Hour Emergency Telephone Number:**

1-800-255-3924

**North America Toll Free:**

C 022 09

## SECTION 2 - HAZARDOUS INGREDIENTS

**Hazardous Components**

<table>
<thead>
<tr>
<th>% (by Weight)</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>&lt;0.2%</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>&lt;0.6%</td>
</tr>
<tr>
<td>Sodium hypochlorite</td>
<td>&lt;1.0%</td>
</tr>
</tbody>
</table>

**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

## 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.
DISPATCH® HOSPITAL CLEANER DISINFECTANT WITH BLEACH

TRADE NAME: DISPATCH® HOSPITAL CLEANER DISINFECTANT WITH BLEACH

PRODUCT NUMBER:
- 68963-8 oz Pump Spray Bottle
- 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

DATE: July 10, 2009

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:
Product is minimally flammable Flashpoint >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 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

HAZARDOUS COMPONENTS

<table>
<thead>
<tr>
<th></th>
<th>TWA ppm</th>
<th>TWA mg/m³</th>
<th>STEL ppm</th>
<th>STEL mg/m³</th>
<th>TLV/TWA ppm</th>
<th>TWA mg/m³</th>
<th>PEL ppm</th>
<th>PEL mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>10 IDLH</td>
<td>2</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Sodium hypochlorite</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

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°C

SPECIFIC GRAVITY (WATER = 1):
1.015 @25°C.

SOLUBILITY IN WATER:
Completely soluble (for liquid).

VISCOITY:
NA

VAPOR DENSITY (AIR = 1):
NR

EVAPORATION RATE (WATER = 1):
NR

LEL: NE
UEL: NE
**SECTION 10 - STABILITY AND REACTIVITY**

<table>
<thead>
<tr>
<th>STABILITY</th>
<th>CONDITIONS TO AVOID:</th>
</tr>
</thead>
<tbody>
<tr>
<td>STABLE</td>
<td>Excessive heat and light exposure. Avoid contact with incompatible materials listed in the following section:</td>
</tr>
</tbody>
</table>

**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.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS #</th>
<th>LD50 of Ingredient (Specify Species and Route)</th>
<th>LC50 of Ingredient (Specify Species)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>Oral, rat: LD50 ≥90 mL/kg (in this product)</td>
<td>NE</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>Oral, rat: LD50 ≥90 mL/kg (in this product)</td>
<td>NE</td>
</tr>
<tr>
<td>Sodium hypochlorite</td>
<td>7681-52-9</td>
<td>Oral, mouse: LD50 = 5800 mg/kg</td>
<td>NE</td>
</tr>
</tbody>
</table>

**SECTION 12 - ECOLOGICAL INFORMATION**

No information is available for this blended product.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

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.

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**SECTION 14 - TRANSPORT INFORMATION**

**PROPER SHIPPING NAME:** Not regulated

**DOT HAZARD CLASS / Pack Group:** Not regulated

**REFERENCE:** 49CFR172, 49CFR173

**UN / NA IDENTIFICATION NUMBER:** Not Regulated

**LABEL:** Not Regulated

**HAZARD SYMBOLS:** NONE

**IATA HAZARD CLASS / Pack Group:** Contact Manufacturer

**IMDG HAZARD CLASS:** Contact Manufacturer

**RID/ADR Dangerous Goods Code:** Contact Manufacturer

**UN TDG Class / Pack Group:** Contact Manufacturer

**Hazard Identification Number (HIN):** Contact Manufacturer

Refer to 49CFR172 and 49CFR173 for pertinent regulations.

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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.
**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** DISPATCH® HOSPITAL CLEANER DISINFECTANT WITH BLEACH  
**PRODUCT NUMBER:**  
68963-8 oz Pump Spray Bottle  
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.  
**DATE:** July 10, 2009

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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  
- 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.

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### SECTION 16 - OTHER INFORMATION

<table>
<thead>
<tr>
<th>Legend</th>
<th>NA=Not applicable</th>
<th>NE= Not established</th>
<th>NR= Not reported</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS HAZARD RATINGS</td>
<td>HEALTH: 2</td>
<td>FLAMMABILITY: 0</td>
<td>PHYSICAL HAZARD: 1</td>
</tr>
<tr>
<td></td>
<td>0 = INSIGNIFICANT</td>
<td>1 = SLIGHT</td>
<td>2 = MODERATE</td>
</tr>
<tr>
<td>NFPA HAZARD RATINGS</td>
<td>HEALTH: 0</td>
<td>FLAMMABILITY: 0</td>
<td>REACTIVITY: 1</td>
</tr>
<tr>
<td></td>
<td>0 = NONE</td>
<td>1 = SLIGHT/LITTLE</td>
<td>2 = MODERATE</td>
</tr>
</tbody>
</table>

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

**MSDS Prepared by:**  
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Website: www.chemtelinc.com

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.