



## MATERIAL SAFETY DATA SHEET



## SIGNET NEUTRAL DISINFECTANT

HMIS		NFPA	Personal protective equipment
Health	3	3	
Flammability	0	0	
Physical Hazard / Instability	0	0	

Version Number: 0

Preparation date: 2012-01-16

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

SIGNET NEUTRAL DISINFECTANT

MSDS #:

MS0600781

Product Code:

5660112

Recommended use:

- Disinfectant
- This product is intended to be diluted prior to use

Manufacturer, importer, supplier:

US Headquarters  
Diversey, Inc.  
8310 16th St.  
Sturtevant, Wisconsin 53177-1964  
Phone: 1-888-352-2249  
MSDS Internet Address: [www.diversey.com](http://www.diversey.com)

Emergency telephone number:

1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

## 2. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN.

Principal routes of exposure:

Eye contact:

Skin contact:

Inhalation:

Ingestion:

Eye contact. Skin contact. Inhalation.

Corrosive. Causes irreversible eye damage.

Corrosive. Causes skin burns. Harmful if absorbed through skin.

May cause irritation and corrosive effects to nose, throat and respiratory tract. Harmful if inhaled.

Corrosive. Causes burns to mouth, throat and stomach. Harmful if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Methyl salicylate	119-36-8	0.1 - 1.5%	887	>5000 mg/kg	Not available
Ethyl alcohol	64-17-5	1 - 5%	7060	Not available	124.7 mg/L (4 h)
n-alkyl dimethyl benzyl ammonium chloride	68424-85-1	5 - 10%	426	Not available	Not available
Didecyl dimethyl ammonium chloride	7173-51-5	10 - 20%	292	Not available	Not available

## 4. FIRST AID MEASURES

Eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Skin contact:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation:**

If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for treatment advice.

**Ingestion:**

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

**Notes to physician:**

Probable mucosal damage may contraindicate the use of gastric lavage.

**Aggravated Medical Conditions:**

Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:**

Not applicable

**Unusual hazards:**

Corrosive material (See sections 8 and 10).

**Specific methods:**

No special methods required

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Extinguishing media which must not be used for safety reasons:** No information available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Attention! Corrosive material. Put on appropriate personal protective equipment (see Section 8.).

**Environmental precautions and clean-up methods:**

Clean-up methods - large spillage. Material is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES permit. Use appropriate containment to avoid environmental contamination. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:**

Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing and footwear before re-use. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:**

KEEP OUT OF REACH OF CHILDREN. Keep away from food, foodstuffs and domestic water supplies. Do not contaminate food or feed by storage or disposal. Storage must only be in original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

**Personal Protective Equipment****Eye protection:**

Chemical-splash goggles.

**Hand protection:**

Chemical-resistant gloves

**Skin and body protection:**

Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

**Respiratory protection:**

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Ethyl alcohol	64-17-5	1000 ppm (STEL)	1000 ppm (TWA) 1900 mg/m <sup>3</sup> (TWA)	1000 ppm (TWA) 1900 mg/m <sup>3</sup> (TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Appearance:** Liquid

**Specific gravity:** 1.009

**Vapor density:** No information available

**Bulk density:** No information available

**Evaporation Rate:** No information available

**Color:** Clear Blue

**Odor:** Minty

**Boiling point/range:** Not determined  
**Decomposition temperature:** Not determined  
**Solubility:** Completely Soluble  
**Solubility in other solvents:** No information available  
**Partition coefficient (n-octanol/water):** No information available  
**Elemental Phosphorus:** 0.00 % by wt.  
**pH:** 7.0  
**Explosion limits:** - upper: Not determined - lower: Not determined

**Melting point/range:** Not determined  
**Autoignition temperature:** No information available  
**Density:** 8.42 lbs/gal 1.01 Kg/L  
**Flash point:** > 200 °F > 93.3 °C  
**Viscosity:** No information available  
**VOC:** 2.5 % \*  
**Dilution pH:** 7.0 @ 1:256

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable  
**Polymerization:** Hazardous polymerization does not occur  
**Hazardous decomposition products:** None reasonably foreseeable.  
**Materials to avoid:** Oxidizing agents. Anionic surfactant.  
**Conditions to avoid:** Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Corrosive Oral LD50 estimated to be between 1000 - 2000 mg/kg  
**Component Information:** See Section 3

**Chronic toxicity:** None known

### Specific effects

**Carcinogenic effects:** None known  
**Mutagenic effects:** None known  
**Reproductive toxicity:** None known  
**Target organ effects:** None known

Ingredient(s)	CAS #	NTP	IARC	OSHA
Ethyl alcohol	64-17-5		-	

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** No data available

## 13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal

### Pesticide Storage:

Store in a cool, dry location, in locked area inaccessible to children. Do not contaminate water, food, or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. Do not reuse empty container.

### Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Container Disposal:

Pesticide product disposal requirements vary by package size and type. Pesticides include disinfectants and sanitizers. See product label for complete disposal instructions. Always dispose of according to all federal, state and local applicable regulations.

#### 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Please refer to the Diversey HazMat Library, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

**DOT Bill of Lading Description:** LTD. QTY.

**IMDG Bill of Lading Description:** UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (quaternary ammonium compounds), 8, III, LTD. QTY.

#### 15. REGULATORY INFORMATION

##### International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

##### U.S. Regulations

**EPA Reg. No. :** 10324-141

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65

##### CERCLA/ SARA

None

##### SARA 311/312 Hazard Categories

Immediate:	X
Delayed:	-
Fire:	-
Reactivity:	-
Sudden Release of Pressure:	-

#### 16. OTHER INFORMATION

**Reason for revision:**

Not applicable

**Prepared by:**

NAPRAC

**Additional advice:**

• Contains an added fragrance, see "Odor" heading in section 9 for specific description

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# Neutral Disinfectant Cleaner

DS1

**A one-step, quaternary-based disinfectant cleaner providing broad spectrum disinfection, including healthcare micro-organisms and Canine Parvovirus.**

## Kill Claims

- Use in healthcare and other facilities where cleaning and prevention of cross-contamination are critical.
- Bactericidal, virucidal and fungicidal.
- Kills MRSA and VRE.
- Meets bloodborne pathogen standards for decontaminating blood and body fluids.
- Blue in color with a minty scent.
- Kills Canine Parvovirus.

## Usage

### Preparation of Disinfection/Fungicidal/Virucidal\* Use Solution:

- For heavily soiled areas, preliminary cleaning is required.
- Product will be dispensed at 1:64 or 1:256 (whichever is applicable).
- Apply use solution using a brush, cloth, mop, sponge, auto scrubber, mechanical spray device, or by immersion so as to thoroughly wet surfaces.
- For sprayer applications, spray 6-8 inches from surface. Do not breathe spray.
- Rub with brush, cloth, or sponge. Change cloth, sponge or towels frequently to avoid redeposition of soil. Treated surfaces must remain wet for 10 minutes.
- Allow to air dry.
- Rinsing of floors is not necessary unless they are to be waxed or polished. Rinse all treated surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse.
- Prepare a fresh solution at least daily or when use solution becomes visibly dirty.

### For Use as a One-Step Cleaner/Disinfectant

Pre-clean heavily soiled areas. Apply use solution to hard, nonporous surfaces. All surfaces must remain wet for 10 minutes. Wipe surfaces and let air dry. NOTE: Rinsing is not necessary unless floors are to be coated with finish or restorer. All food contact surfaces such as appliances and kitchen countertops must be rinsed with potable water. Do not use on glassware, utensils or dishes.

### For use against Canine Parvovirus

Pre-clean heavily soiled surfaces. Apply 1:64 use-solution to hard, nonporous surfaces. For sprayer/spray foam applications, spray 6-8 inches from surface until thoroughly wet, use a saturated cloth, mop or sponge, or immerse. All surfaces must remain wet for 10 minutes to be effective against Canine Parvovirus. Allow to dry.

### For Use to Clean and Disinfect Shower Rooms, Locker Rooms and Other Large, Open Areas with Floor Drains

Pre-clean heavily soiled areas. Apply use solution to floors, walls and ceilings making sure not to over spray. To disinfect, all hard, non-porous surfaces must remain wet for 10 minutes. Scrub using a deck brush or other coarse material as necessary. Rinse surfaces thoroughly and let air dry. Prepare a fresh solution at least daily or when use solution becomes visibly dirty.

### Mold and Mildew Control

To control the growth of mold and mildew and their odors on hard, non-porous surfaces, apply use solution. Apply by cloth, sponge, mop, brush, auto scrubber or mechanical spray device to thoroughly wet all treated surfaces completely. Allow surface to remain wet for 10 minutes. Allow solution to dry on surface and repeat treatment every seven days or when new growth appears. Change cloth, sponge or towels frequently to avoid redeposition of soil. Prepare a fresh solution at least daily or when use solution becomes visibly dirty.



# Neutral Disinfectant Cleaner

**DS1**

A one-step, quaternary-based disinfectant cleaner providing broad spectrum disinfection, including healthcare micro-organisms and Canine Parvovirus.

**Feature 1**

- Meets OSHA's BloodBorne pathogen standards for HBV and HIV.

**Feature 2**

- One-step quaternary disinfectant cleaner and deodorant to clean and disinfect hard surfaces in hospitals, nursing homes and other facilities.

**Feature 3**

- Provides broad spectrum kill of micro-organisms including HBV, HIV-1, VRE, MRSA, GRSA, MRSE, VISA, PRSP, Herpes Simplex Types 1&2, Influenza Type A2, Adenovirus, Rotavirus and many more.

**Feature 4**

- Highly concentrated quaternary formula provides excellent one-step, cost effective cleaner and disinfection.

**Feature 5**

- Kills the organisms that cause odors and works as an odor counteractant to further eliminate odors not associated with bacteria.

**Feature 6**

- Use-solution is neutral to floor finish so it will not dull, pit or soften floor finishes.

## Product Specifications

**Description**

Color/Form	Clear blue liquid
EPA Reg. No.	10324-141-70627
Flash Point	> 200° F (> 93.3° C)
Scent	Minty
Shelf Life	12 months
Solubility	Complete
Specific Gravity	1.009



## Safety Reminder

Please make sure your employees read and understand the product label and Material Safety Data Sheet before using this product. The label contains directions for use, and both the label and MSDS contain hazard warnings, precautionary statements and first aid procedures. MSDS are available on-line at [www.cintas.com](http://www.cintas.com) or by calling 877-448-5770.

## Hazard Rating

**HMIS**

3	Health
0	Flammability
0	Reactivity

**NFPA**

3
0
0

4=Very High 3=High 2=Moderate 1=Slight 0=Insignificant

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