

# MATERIAL SAFETY DATA SHEET

WPC BRANDS, INC.

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Distributed by:

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**EMERGENCY NUMBER:** 1-800-255-3924  
(24 HOURS)

**INFORMATION NUMBER:** 1-800-558-6614  
(BUSINESS HOURS)

**PRODUCT NAME:** Sanizene Hard Surface Disinfectant

**EPA REG. NO.:** 47371-130-305

**PRODUCT CODE:** 630 - 634

**DATE PREPARED:** 02/29/00

**HMIS:** Health Hazard: 3

Fire Hazard: 1

Reactivity: 0

Personal Protective Equipment: D

**PREPARED BY:** Jean Killoran

## HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Material	CAS#	%	OSHA PEL	ACGIH TLV
N, N-didecyl -N, N-dimethylammoniumchloride	7173-51-5	4.85%	N/E	N/E
N-Alkyl (C <sub>12</sub> - <sub>18</sub> ) - N,N-dimethyl-N-Benzylammoniumchloride	8001-54-5	3.25%	N/E	N/E
N,N-Dimethyl-1-octylamine-N-oxide	2805-78-9	1.60%	N/E	N/E
Ethylenediaminetetra acetic acid, trisodium salt	150-38-9	1.86%	N/E	N/E
Ethyl alcohol	64-17-5	1.60%	1000ppm	1000ppm

N/E = NOT ESTABLISHED

## HEALTH HAZARDS

**Effect of Over Exposure:** Based on information available for similar products it is anticipated that material may cause:

**Eye Contact:** Severe eye irritation and/or burns and possible irreversible damage upon direct or prolonged contact.

**Skin Contact:** Severe skin irritation and/or burns and possible irreversible damage upon direct or prolonged contact.

**Inhalation:** Solvent vapors, or mists of product can produce irritation of the mucous membranes.

**Ingestion:** Can produce immediate burning pain in the mouth, throat and abdomen; severe swelling of the larynx; skeletal muscle paralysis affecting the ability to breathe; circulatory shock; and/or convulsions.

Exposure to ethyl alcohol concentrations of over 1,000ppm may cause headache, irritation of the eyes, nose and throat, and if long continues, drowsiness and lassitude, loss of appetite and inability to concentrate.

**Primary Routes of Entry:** Inhalation, skin contact, eye contact.

**Medical Conditions Aggravated by Over Exposure:** No effects indicated.

**Chemicals Listed as Carcinogens or Potential Carcinogens:** None.

## EMERGENCY FIRST AID PROCEDURES:

**Eyes:** Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get immediate medical attention. If physician not available, flush for additional 15 minutes and then transport victim to medical care.

**Skin:** Wash with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Wash clothing and decontaminate shoes before reuse.

**Ingestion:** If swallowed, immediately give 3-4 glasses of milk (if unavailable, give water). DO NOT induce vomiting. If vomiting occurs, give fluids again. Get immediate medical attention. Have physician determine if patient's condition allows for induction of vomiting or evacuation of the stomach. Do not give anything by mouth to a convulsing or unconscious person.

**Inhalation:** Remove from area to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Supplemental oxygen and other measures to support breathing may be needed to combat circulatory shock. Persistent convulsions may be controlled by the cautious intravenous injection of a short acting barbiturate drug.

## • PHYSICAL/CHEMICAL CHARACTERISTICS

**BOILING POINT:** None known

**SPECIFIC GRAVITY:** ( $H_2O=1$ ) 1.0

**VAPOR PRESSURE:** (mm Hg @ 25°C) Not known

**PERCENT VOLATILE BY VOLUME:** 89.5

**EVAPORATION RATE:** ( $H_2O=1$ ) Not known

**SOLUBILITY IN WATER:** Soluble.

**APPEARANCE AND ODOR:** Light amber liquid, mild odor.

**pH:** 7.2 - 8.2

## • REACTIVITY DATA •

**STABILITY:** Stable.

**INCOMPATIBILITY (Material to Avoid):** Strong oxidizing or reducing agents.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION:** Thermal decomposition may produce toxic vapors/fumes of amines and other organic materials, and oxides of carbon and nitrogen.

**CONDITIONS TO AVOID:** None.

## • FIRE AND EXPLOSION HAZARDS •

**FLASH POINTS:** >200°F (closed cup)

**AUTOIGNITION:** Not Known.

**FLAMMABILITY LIMITS IN AIR, % BY VOL.:** Not determined.

**EXTINGUISHING MEDIA:** Water, CO<sub>2</sub>, Dry chemical, Foam.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Products of combustion are toxic.

**SPECIAL FIRE FIGHTING PROCEDURES:** Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.



## • SAFE HANDLING AND USE •

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED.

**CAUTION:** Floors may become slippery. Wear appropriate protective gear and respiratory protection where mist or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).

Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

**WASTE DISPOSAL:** Dispose of in compliance with all Federal, state and local laws and regulations. Incineration is the preferred method.

**CONTAINER DISPOSAL:** Do not reuse empty container. Rinse thoroughly. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## • PROTECTION MEASURES •

**VENTILATION TYPE:** In processes where mists and/or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

**RESPIRATORY PROTECTION:** Where mist or vapors are generated by the process, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

**PROTECTIVE GLOVES:** Rubber or neoprene, when needed, to prevent skin contact.

**EYE PROTECTION:** Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.

**OTHER PROTECTIVE EQUIPMENT:** Eye wash; safety shower; protective clothing (long sleeves, coveralls or other, as appropriate), when needed, to prevent skin contact.

## • SPECIAL PRECAUTIONS •

**PRECAUTIONS FOR STORAGE AND HANDLING:** Store at temperatures below 140°F. Keep containers closed until used. Do not contaminate drinking water, food or feed by storage or disposal.

## • TOXICOLOGY INFORMATION •

For Sanizene Hard Surface Disinfectant:

- In vitro corrosivity test (DOT Method): Corrositex™ Continuous Time Monitor Assay: Non corrosive. No packaging group is assigned.

No animal toxicological information found for this product. The information below is for closely related products.

The Lonza Formulation S-37 (an alkaline formulation containing 7% active quat):

- oral LD<sub>50</sub> (rat): 1270 mg/kg
- dermal LD<sub>50</sub> (rabbit): 3150 mg/kg
- eye irritation (rabbit): Severe irritant (primary irritation index = 110)
- skin irritation (rabbit): Severe irritant (primary irritation index = 8.0)

For Lonza Formulations S-21 (an alkaline formulation with 5.5% active quat):

- skin corrosivity (DOT method): Not corrosive

For Lonza Formulation S-18 (an alkaline formulation with 10.8% active quat):

- skin corrosivity (DOT method): Corrosive

## • MISCELLANEOUS AND REGULATORY INFORMATION

### FEDERAL LEVEL REGULATIONS:

#### TOXIC SUBSTANCES CONTROL ACT (TSCA INVENTORY) STATUS:

Found on U.S. EPA TSCA Inventory. While the CAS number 8001-54-5 is not listed on the U.S. EPA TSCA inventory, an alternative CAS number for this material (68424-85-1) is listed on the TSCA Inventory.

#### TSCA Section 12 (b) Export Notification

Components present in this product which, if exported, could require either annual or one-time reporting under this regulation are as follows:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Concentration</u>
None Known		

**CERCLA** (Comprehensive Environmental Response, Compensation and Liability Act of 1980) requires notification of the National Response Center. (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs) listed in 40 CFR 302.4:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Concentration</u>
None Known		

#### US EPA Regulation on Pesticides:

This is an EPA registered pesticide (EPA Registration No. 47371-130-305). This material can only be used commercially in the EPA registered application (s) noted on the product label.

**SARA Title III, Sections 302/304** (Superfund Amendments and Reauthorization act of 1986) – This act requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and release Reportable Quantities (RQs) listed for the Components in 40 CFR 355.

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Concentration</u>
None Known		

**SARA Title III, Sections 311/312** – This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in 40 CFR 370:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Hazard *) Categories</u>
N, N-Didecyl-N, N-dimethylammonium chloride	7173-51-5	A
N-Alkyl (C <sub>12-16</sub> ) - N, N-dimethyl-N-benzylammonium Chloride	8001-54-5	A
N, N-Dimethyl-1-octylamine-N-oxide	2605-78-9	A
Ethanol	64-17-5	F

\*) The five hazard categories are as follows: F= FIRE HAZARD; S=SUDDEN RELEASE OF PRESSURE; R=REACTIVE; A=IMMEDIATE (ACUTE) HEALTH HAZARD; C=DELAYED (CHRONIC) HEALTH HAZARD.

**SARA Title III Section 313** – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Concentration</u>
None Known		



## STATE RIGHT - TO - KNOW REGULATIONS:

**CALIFORNIA PROPOSITION 65** - Components present in this material which the State of California has found to cause cancer, birth defects or other reproductive harm are as follows:

### AS A CANCER HAZARD

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Concentration</u>
Acetaldehyde	75-07-0	160 ppb
Benzene	71-43-2	8 ppm
Benzyl chloride	100-44-7	16 ppm
N-Nitrosodimethylamine	62-75-9	80 ppb
Propylene oxide	75-56-9	1.6 ppm

### AS A REPRODUCTIVE HAZARD

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Concentration</u>
Benzene	71-43-2	8 ppm
Toluene	108-88-3	8 ppm

**MASSACHUSETTS Right - to - Know** - The following components present in this material are included in the Massachusetts Substance List and are present at or above reportable levels.

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Concentration</u>
Acetaldehyde	75-07-0	160 ppb
Benzene	71-43-2	8 ppm
Benzyl chloride	100-44-7	16 ppm
Ethanol	64-17-5	1.6%
Hydrogen peroxide	7722-84-1	30 ppm
Propylene oxide	75-56-9	1.6 ppm

**MICHIGAN Critical Materials** - The following components of this material are included in the Michigan Critical Materials List:

<u>Chemical Name</u>	<u>CAS Number</u>
None Known	

**NEW JERSEY Right - to - Know** - The following components present in this material are included in the New Jersey Hazardous Substance List and are present at or above reportable levels.

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Categories</u>
N, N-Didecyl-N, N-dimethylammonium chloride	7173-51-5	4.85%
N-Alkyl (C <sub>12-16</sub> ) - N, N-dimethyl-N-benzylammonium Chloride	8001-54-5	3.23%
Ethanol	64-17-6	1.6%

**PENNSYLVANIA Right - to - Know** - The following components present in this material are included in the Pennsylvania Hazardous Substance List and are present at or above reportable levels.

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Concentration</u>
Ethanol	64-17-5	1.6%

**NOTE:** This data represents typical values, not product specifications. No guarantee of accuracy or completeness is made. No responsibility is assumed for any kind of loss or damages arising from use of this data. The aforementioned effects are based on the evaluation of individual components and the relevancy to the product as a whole is unknown. Information within this MSDS has been taken from Lonza Formulation HWS-128 MSDS dated 1-27-00.