



**BIOSHIELD<sup>®</sup> 75**  
bioshieldmenus.com

## SAFETY DATA SHEET

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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Product Name: **SANITIZER 440 (PRODUCT AT USE DILUTION; 3.5 oz per 5 gallons water)**

Revision Date: April 2, 2020

Chemical Description: Bactericide, Blend of alkyl benzyl ammonium chlorides

Manufacturer Information:  
IndusCo, Ltd.  
2319 Joe Brown Drive  
Greensboro, NC 27405  
Main Telephone No. 336-375-7555  
CHEMTREC-For Emergencies Only 1-800-424-9300 (24 hours), International 1-703-527-3887

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### SECTION 2: HAZARDS IDENTIFICATION/EMERGENCY OVERVIEW

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Classification of the Substance or mixture: **SERIOUS EYE DAMAGE/EYE IRRITATION-Category 1**  
**SKIN CORROSION/IRRITATION-Category 2**

Hazard Pictograms:



Signal Word: **Danger**

Hazard Statements: **Causes serious eye damage. Causes skin irritation.**

#### Precautionary Statements

Prevention: **Wear protective gloves/clothing and eye/face protection. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling.**

Response: **IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.**  
**IF ON SKIN (or Hair): Wash with plenty of water or shower. If skin irritation occurs: Get medical advice / attention.**  
**IF INHALED: If irritation develops, remove victim to fresh air and keep at rest in a position comfortable for breathing.**  
**IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

Storage: **Store locked up. Store in a well-ventilated area. Keep cool.**

Disposal: **Dispose of contents and container in accordance with all local, regional, national and international regulations.**

#### **PRODUCT AT USE DILUTION**

Classification: **Non – Hazardous**  
Hazard Pictograms: **None**

Signal Word:	None
Hazard Statement:	None
Precautionary:	Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling.
Disposal:	Dispose of contents and container in accordance with all local, regional, national and international regulations

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>Ingredient</u>	<u>CAS #</u>	<u>Percent by Weight</u>
Alkyl Dimethyl Ethylbenzyl Ammonium Chloride (alternate CAS 68956-79-6)	85409-23-0	5.0
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	5.0
Ethyl alcohol	64-17-5	1.1

#### PRODUCT AT USE DILUTION

Concentrate < 0.02%

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### SECTION 4: FIRST AID MEASURES

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Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. Continue to flush eyes with plenty of water.
Skin Contact:	In case of contact, flush skin with plenty of water. If irritation persists; Get medical advice / attention.
Inhalation:	If irritation develops, remove victim to fresh air and keep at rest in a position comfortable for breathing. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. In case of inhalation of decomposition products in a fire, symptoms may be delayed, the exposed person may need to be kept under medical surveillance for 48 hours.
Ingestion:	Wash out mouth with water. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**PRODUCT AT USE DILUTION** If you feel unwell, get medical advice / attention.

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### 5. FIRE FIGHTING MEASURES

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Flammability of the Product	Not combustible.
Extinguishing Media	Small Fire: Use DRY chemical powder Large Fire: Use water spray, fog, or foam. Do not use water jet as an extinguisher, as this will spread the fire.
Protective Equipment for Firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**PRODUCT AT USE DILUTION** Same

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## 6. ACCIDENTAL RELEASE MEASURES

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Small Spill or Leak	Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary, use suitable protective equipment (Section 8). Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill or Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use suitable protective equipment (Section 8). Do not release into the environment.
Containment Methods	Stop the flow of material if this is without risk. Prevent spilled material from entering sewage and drainage systems which lead to waterways. Contain and collect spillage with absorbent material, i.e. sand, earth, diatomaceous earth and place in a container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilled product.

**PRODUCT AT USE DILUTION** Mop up or absorb with dry material. If large quantities, avoid entering drainage systems.

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## 7. HANDLING AND STORAGE

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Protective Measures	Wear appropriate personal protective equipment. Do not get in eyes or on skin. Do not breathe vapor or mist. Wear appropriate respirator when ventilation is inadequate. Do not enter storage spaces unless adequately ventilated. Keep in the original container and keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Workers should wash hands and face before eating, drinking, or smoking.
Conditions for Safe Storage	Do not store below 0°C (32°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials and food and drink. Separate from acids and oxidizing materials. Keep container closed and tightly sealed until ready for use. Use appropriate containment to avoid environmental contamination. Empty containers retain product residue and can be hazardous. Do not reuse container.

**PRODUCT AT USE DILUTION** Do not get in eyes.  
Store in suitable labeled containers.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<u>Ingredient</u>	<u>Exposure Limits</u>
Ethyl Alcohol	ACGIH STEL 1000 ppm, OSHA PEL 1000 ppm
Personal Protection	
Eyes	Chemical splash goggles and/or face shield.
Skin	Permeation resistant gloves. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. Permeation resistant clothing and foot protection.
Respiratory	No personal respiratory protective equipment is normally required. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable), an approved respirator must be worn.
General Hygiene	When using, do not eat, drink, or smoke. Do not get in eyes. Avoid contact with skin.

Considerations Wash hands and face before breaks and immediately after handling the product. Wash hands after handling and before eating. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

**PRODUCT AT USE DILUTION** Avoid contact with eyes. No specific personal protection equipment required.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	Clear liquid
Color	Red
Odor	Pleasant
PH	6 - 8
Evaporation Rate	Not available
Explosion Limits	Not available
Specific Gravity	0.994
Solubility	Soluble in cold or hot water
Flash Point	None to 200°F (93°C)
Auto-ignition Temperature	Not combustible

**PRODUCT AT USE DILUTION** Clear Liquid  
Pleasant Odor  
pH, 6 - 8

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## 10. CHEMICAL STABILITY AND REACTIVITY

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Reactivity	This material is stable and nonreactive under normal conditions.
Chemical Stability	
Conditions to Avoid	Avoid anionic and oxidizing materials.
Incompatible Materials	Anionic and oxidizing materials.
Hazardous Decomposition Products	Carbon monoxide. Organic compounds which may be toxic.
Hazardous Polymerization	Hazardous polymerization will not occur.

**PRODUCT AT USE DILUTION** Same

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## 11. TOXICOLOGICAL INFORMATION

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Information on likely routes of exposure	Dermal contact. Eye contact. Inhalation. Ingestion.
Acute Effects-Skin	Causes skin irritation.
Acute Effects-Eyes	Causes serious eye damage.
Acute Effects-Inhalation	Vapor may be irritating to the respiratory system.
Acute Effects-Ingestion	Harmful if swallowed. May cause burns to mouth, throat, and stomach. Estimated LD <sub>50</sub> is 500-2000 mg/kg

**PRODUCT AT USE DILUTION** This product is not expected to cause symptoms.

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**12. ECOLOGICAL INFORMATION**

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Degradability/OECD                      Readily biodegradable.

**PRODUCT AT USE DILUTION**            Same

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**13. DISPOSAL CONSIDERATIONS**

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Waste Information                      The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

Disposal Instructions                    Consult authorities before disposal. Incinerate the material under controlled conditions in an approved incinerator.

Contaminated Packaging                Empty containers should be taken to an approved waste handling site for recycling or disposal.

**PRODUCT AT USE DILUTION**            For containers 2 gallon or less, discard in trash or recycle. If larger, take to an approved waste handling site for recycle or disposal.

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**14. TRANSPORT INFORMATION**

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DOT-Basic Shipping Requirements

UN Number                              UN 1903

Proper Shipping Name                Disinfectants, liquid, corrosive, n.o.s. (contains quaternary ammonium chloride).

Hazard Class                            Corrosive

Packing Group                         III

ERG Number                            153

**PRODUCT AT USE DILUTION**            Not Regulated

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**15. REGULATORY INFORMATION**

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U.S. Federal Regulations              TSCA: All intentionally present components are listed on the TSCA inventory.

US EPA CERCLA Hazardous substances: No products were found.

SARA Title III Section 302 Extremely Hazardous Substances: No products were found.

SARA Title III 313 Toxic Chemicals: No products were found.

State Regulations                      California Prop. 65: No products were found.

**PRODUCT AT USE DILUTION**            Same

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**16. OTHER INFORMATION**

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Notice to the Reader: The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable as of the date of publication. However, no warranty is made as to the accuracy of and/or sufficiency of such information. The Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products.