



## **1 Identification**

### **GHS Product Identifier**

BioSpear® Antimicrobial Protectant

### **Other means of identification**

BioSpear® Antimicrobial Surface Protectant  
BioSpear® Antimicrobial Liquid Surface Protectant  
BioSpear® Surface Protectant

### **Recommended use of the chemical and restriction on use**

A microbiostatic liquid treatment for porous and nonporous hard surfaces, excluding food preparation surfaces.

### **Supplier's details**

ICPG, LLC  
3680 Yale Street  
Houston, Texas 77018, USA

+1 713-302-2442

### **Emergency phone number**

For medical emergencies, contact your local poison control center.

## **2 Hazard(s) identification**

### **GHS label elements**

Warning



Causes serious eye irritation

Harmful to aquatic life

Wash hands thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF eye irritation persists: Get medical advice/attention.

Avoid release to the environment.

Dispose of contents/container to section 13.

## **3 Composition/information on ingredients**

## **4 First-aid measures**

### **Description of necessary first-aid measures**

**Eyes:**

Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

**Skin:**

Wash hands after use. Though unlikely, if skin irritation

**Inhalation:** occurs, contact physician.  
Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration using a pocket mask type resuscitator. Call a physician immediately.

**Ingestion:** May cause irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea. If swallowed, do not induce vomiting and seek medical attention.

## 5 Fire-fighting measures

### Suitable extinguishing media

This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.

### Specific hazards arising from the chemical

In the event of a large fire, toxic fumes containing oxides of carbon may be formed. This would necessitate the use of a self-contained breathing apparatus.

### Special protective actions for fire-fighters

Standard protective equipment should be worn by firefighters with a focus on eye/face protection.

## 6 Accidental release measures

### Environmental precautions

Avoid any uncontrolled release of material.

### Methods and materials for containment and cleaning up

Where spills are possible, a comprehensive spill response plan should be developed and implemented. Utilize recommended protective clothing and equipment.

## 7 Handling and storage

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and prompt removal of material from eyes, skin and clothing.

### Conditions for safe storage, including any incompatibilities

Store in a sealed container in a cool, dry environment.

## 8 Exposure controls/personal protection

### Control parameters

**Exposure Limits:** Not established  
**OSHA Permissible Exposure Limits (PELs):**  
**Threshold Limit Values (TLVs):** Not established

### Appropriate engineering controls

N/A

### Individual protection measures

**Face:** N/A  
**Eyes:** Safety Glasses  
**Skin:** Gloves  
**Respiratory:** N/A

## 9 Physical and chemical properties

### Physical and chemical properties

<b>Appearance</b>	Clear Liquid	<b>Upper Flammability/Exposure Limits</b>	N/A
<b>Odor</b>	Mild	<b>Lower Flammability/Explosive Limit</b>	N/A
<b>Odor Threshold</b>	N/A	<b>Vapor Pressure</b>	N/A
<b>pH</b>	4 - 6	<b>Vapor Density</b>	N/A
<b>Melting Point F(C):</b>	N/A	<b>Vapor Temperature</b>	N/A
<b>Freezing Point F(C):</b>	N/A	<b>Relative Density/Specific Gravity:</b>	1,000
<b>Boiling Point F(C)</b>	N/A	<b>Solubility</b>	Water Soluble
<b>Flash Point F(C)</b>	>200oF	<b>Partition Coefficient</b>	N/A
<b>Flash Point Method used</b>	ASTM D93	<b>Auto-ignition temperature</b>	N/A
<b>Evaporation Rate</b>	N/A	<b>Decomposition temperature</b>	N/A
<b>Flammability</b>	Undetermined	<b>Viscosity</b>	N/A
<b>VOC Content</b>	N/A	<b>VOC Less Water &amp; Exempts</b>	N/A

## 10 Stability and reactivity

### Reactivity

N/A

### Chemical stability

Stable under normal ambient temperature and conditions.

### Conditions to avoid

Anionic surfactants

### Incompatible materials

Strong oxidizers

### Hazardous decomposition products

Oxides of carbon and nitrogen

## 11 Toxicological information

### Toxicological (health) effects

#### Inhalation

#### Description of effects from short- and long-term exposure:

Adverse effects are not expected when this product is used in open areas. In the event a person has an existing sensitivity to products such as this, avoid using the product in enclosed areas where vapors may gather. If breathing becomes difficult or

painful, consult a doctor.

**Description of symptoms:**

Prolonged or excessive inhalation may cause respiratory tract irritation.

**Measure of toxicity:**

Not known

**Ingestion**

**Description of effects from short- and long-term exposure:**

Immediately consult a physician or poison control center. Follow the instructions given to you by the poison control center or physician.

**Description of symptoms:**

Not known

**Measure of toxicity:**

Not known

**Eyes**

**Description of effects from short- and long-term exposure:**

If irritation should develop, flush eyes with water. If irritation persists, consult a doctor.

**Description of symptoms:**

Contact may cause eye irritation.

**Carcinogens**

**listing:**

**NTP:** No

**IARC:** No

**OSHA:** No

**GHS:** No

## 12 Ecological information

### Toxicity

This product contains pesticides that are toxic to aquatic life. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless with accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent to sewer systems without notifying the local sewage treatment plant authority.

Inactivation of solutions containing this product may be accomplished by the addition of anionic surfactants in a quantity equivalent to the percent active ingredients.

### Persistence and degradability

Readily biodegradable

### Bioaccumulative potential

Unlikely

## 13 Disposal considerations

### Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may not be cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been thoroughly cleaned internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14 Transport information

### UN Number

Not regulated in transportation by DOT/IMO/IATA. Not classified as dangerous in the meaning of transport regulation.

## 15 Regulatory information

### Safety, health and environmental regulations specific for the product in question

<b>OSHA Regulated Hazard:</b>	No
<b>DOT Regulated:</b>	No
<b>E C Classification:</b>	N/A
<b>TSCA Status:</b>	In compliance with TSCA inventory requirements for commercial purposes
<b>SARA 312 Regulated Chemical(s):</b>	No
<b>SARA 313 Regulated Chemical(s):</b>	No
<b>EPA Registration Number:</b>	N/A
<b>California Prop. 65:</b>	None known
<b>PA Right to know Chemical(s):</b>	None known
<b>NJ Right to know Chemical(s):</b>	None known
<b>Additional State Regulations:</b>	None known
<b>Canada:</b>	N/A

## 16 Other information

### Other information

NFPA



HMIS

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

The above information is based on the present state of our knowledge of the product at the time of publication. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy himself that the product is entirely suitable for his purposes.

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