

# Safety Data Sheet



## 1. IDENTIFICATION

### Product Identifier

**Product Name** Shield™ Multi-Purpose Wound Care

### Other means of identification

**SDS #** Shield-MultiPurpose-001

SKU / Product Code	Description	UPC Code
007-10092-01	Shield® Multi-Purpose Spray - 16 oz sprayer	686754964142
007-21093-01-C	Shield® Multi-Purpose Wound Care - 8 oz, Fingertip Pump	196852319510
007-21093C-01-C	Case12Shield®8ozMulti-PurposeWoundCare,Fingertip Pump	196852325115
007-10204-C	Shield® Multi-Purpose Wound Care - 2 oz	196852773787

**Synonyms** Wound Cleanser, Wound Spray

### Recommended use of the chemical and restrictions on use

**Recommended Use** For animal wound debridement and wound management.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Shield Products, LLC  
 14001 Marshall Drive  
 Lenexa, KS 66215 USA  
[www.shieldcleansers.com](http://www.shieldcleansers.com)

#### **Emergency Telephone Number**

**Company Phone Number** 1- 800-440-4947  
**Emergency Telephone (24 hr)** 1-800-222-1222

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear Liquid      **Physical State** Liquid      **Odor** Faint chlorine ozone

**Classification** This product does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no substances which at its given concentration, are considered hazardous to health. However, additional component information is available in subsequent sections of this SDS.

**Synonyms**                      Wound Cleanser, Wound Spray

## 4. FIRST AID MEASURES

### First Aid Measures

**Eye Contact**      If irritation occurs, flush eyes with water.  
**Skin Contact**      If irritation occurs, wash affected area with water.  
**Inhalation**        If breathing problems develop, move away from product and into fresh air.  
**Ingestion**         Drink an 8 oz. glass of water.

### Most important symptoms and effects

**Symptoms**        Under normal use conditions the likelihood of any adverse health effect is low. Inhalation of product vapors or fumes is the most common route of exposure in occupational settings.

### Indication of any immediate medical attention and special treatment needed

**Notes to Physician**      None Applicable but treat symptomatically

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**      Product is not flammable or explosive- not applicable.

**Unsuitable Extinguishing Media**      Product is not flammable or explosive- not applicable.

### Specific Hazards Arising from the Chemical

Not Determined

### Protective equipment and precautions for firefighters

None needed as product is not flammable or explosive.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** No personal protective equipment is required under normal conditions.

### Methods and material for containment and cleaning up

**Methods for Containment and Methods for Clean-up** Product is  $\leq 0.9\%$  sodium chloride (salt) solution and  $\leq 0.05\%$  available chlorine. Some localities allow such concentrations to be sent to open storm sewers. However, local environmental regulatory requirements should be followed. If desired, spills can be washed to sewer with plenty of water, or neutralized using sodium sulfite or sodium thiosulfate.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well ventilated place.

**Incompatible Materials** Acids and Hydrogen Peroxide

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriated engineering controls

**Engineering Controls** Under normal conditions, none is required. Provide general and/or local exhaust ventilation to maintain a comfortable environment during showers, and at eyewash stations.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Under normal conditions, not required.

**Skin and Body Protection** None required under normal use.

**Respiratory Protection** Not required under normal use conditions.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid		
<b>Appearance</b>	Clear Liquid	<b>Odor</b>	Faint chlorine ozone odor
<b>Color</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Property</b>		<b>Values</b>	<b>Remarks – Method</b>
<b>pH</b>		6.1 - 6.8	
<b>Melting Point/Freezing Point</b>		0° C / 32° F	
<b>Boiling Point/Boiling Range</b>		100° C / 212° F	
<b>Flash Point</b>		Non-flammable	
<b>Evaporation Rate</b>		0.3	Comparable to water
<b>Flammability (Solid, Gas)</b>		Liquid-Not applicable	
<b>Upper Flammability Limits</b>		Not Determined	
<b>Lower Flammability Limit</b>		Not Determined	
<b>Vapor Pressure</b>		Not Determined	
<b>Vapor Density</b>		Not Available	
<b>Specific Gravity</b>	1.00	1.06 g/ml or 8.34 lbs/gal	
<b>Water Solubility</b>		100% soluble	

<b>Property</b>	<b>Values</b>	<b>Remarks – Method</b>
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not considered to be an explosive hazard	
<b>Oxidizing Properties</b>	Not determined	

## 10. STABILITY AND REACTIVITY

**Reactivity** Reactive to acid products and hydrogen peroxide.

**Chemical Stability** Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

**Hazardous Polymerization** Will not undergo hazardous polymerization.

**Conditions to Avoid** Avoid accidental contact of product with acids and hydrogen peroxide.

**Incompatible Materials** Acids and Hydrogen Peroxide.

**Hazardous Decomposition Products** None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Not expected to be a skin irritant during labeled use.
<b>Inhalation</b>	If breathing problems develop, move away from product and into fresh air.
<b>Ingestion</b>	Do not ingest.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5 $\geq$ 99% Hypochlorous Acid 7790-92-3 $\leq$ 0.02%	1.26- 2.0 g/kg (Rat) Note: Chlorine levels	1.26- 2.0 g/kg (Rat) Note: Chlorine levels	Not Applicable

### Information on physical, chemical and toxicological effects

**Symptoms** Please see Section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** Based on information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity** Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not classified as environmentally hazardous.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Water 7732-18-5 $\geq$ 99% Hypochlorous Acid 7790-92-3 $\leq$ 0.02%	None	None	None	None

**Persistence/Degradability** None

**Bioaccumulation** Not determined

**Mobility** Not determined

**Other Adverse Effects** Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

**Disposal of Wastes** Product is  $\leq 0.9\%$  sodium chloride (salt) solution and  $\leq 0.02\%$  available chlorine. Some localities allow such concentrations to be sent to open storm sewers. However, local environmental regulatory requirements should be followed. If desired, spills can be washed to sewer with plenty of water, or neutralized using sodium sulfite or sodium thiosulfate.<sup>1</sup>

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulation.

### 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

### 15. REGULATORY INFORMATION

**International Inventories** All ingredients are listed or exempt from listing on Chemical Substance Inventory.

#### **Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemical and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

#### **US Federal Regulations**

##### **CERCLA**

This material as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of Code of Federal Regulations, Part 372.

##### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

US State Regulations

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations.

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	0	0	0	Not Determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Special Hazards</b>
	Not Determined	Not Determined	Not Determined	Not Determined

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text.