



# SAFETY DATA SHEET

Issue Date 10-17-2017

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Version 2

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier

Product name

**Total-Shield™** HOSPITAL GRADE CLEANER

Product number

744353

UN/ID No

NA

Product Code

744353

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: Hard surface hospital grade cleaner

1.3 Details of the supplier of the safety data sheet Supplier Address:

McGowan Industries, Inc.  
12285 World Trade Drive,  
Suite O  
San Diego, CA 92128  
877-910-4208

1.4 Emergency telephone number

Emergency Telephone: CHEMTREC, USA (800)424-9300

## SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

**US Hazard Classification (29CFR 1910.1200-2012):**

Acute Toxicity-Oral: Category III Acute Toxicity-Dermal: Category III

Acute Toxicity- Air Inhalation: Category IV

Acute Toxicity-Skin Corrosion/Irritation: Non-irritant

Acute Toxicity-Serious Eye Damage/Irritation: Category III Acute Toxicity-Skin/Dermal Sensitization:  
Non-sensitization

**GHS Hazard Classification**

Acute Toxicity-Oral: Category 5 Acute Toxicity-Dermal: Category 5

Acute Toxicity-Air Inhalation: Category 4

Acute Toxicity-Skin Corrosion/Irritation: Non-irritant

Acute Toxicity-Serious Eye Damage/Irritation: Category 2B Acute Toxicity-Skin/Dermal Sensitization:  
Non-sensitization

2.2 Hazard Pictograms



## **Signal Word: WARNING!**

### Hazard Statements

H302	May be harmful if swallowed
H313	May be harmful if in contact with skin
H320	Causes eye irritation
H332	Harmful if inhaled

### Precautionary Statements

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Do not eat, drink or smoke when using this product
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301	Call a Poison Center or doctor/ physician if you feel unwell
P312	Call a Poison Center or doctor/ physician if you feel unwell
P330	Rinse mouth.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313	If eye irritation persists: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Prevention: Wear protective eyewear (goggles, face shield or safety glasses)

Response: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse

### 2.3 Other hazards

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>3.2 MIXTURES</b>	<b>CAS#</b>	
Demineralized Water	7732-18-5	≥91.0%
2-Propanol	67-63-0	≥2.0
Polyaminobiguanide HCL	27083-27-8	≥ 0.3%
1-Octadecanamimium N,N dimethyl 3- trimethoxysilyl propyl chloride Alkyl (C14-50%, C12-40%, C16-10%) Dimethyl Benzyl ammonium chloride	27668-52-6	≥1.5%
Octadecyldimethyl ammonium chloride	68424-85-1	≥0.45%
Diocetyl dimethyl ammonium chloride	32426-11-2	≥0.4%
Didecyl dimethyl ammonium chloride	5538-94-3	>0.4%
Isodecyl alcohol propoxylated,ethoxylated	7173-51-5	≥0.2%
Ethanol	68439-30-5	≥0.30%
Laurylamine	64-17-5	≥0.01%
Citric Acid	124-22-1	≥0.01%
EDTA Sodium salt	77-92-9	0.0001%
	13235-36-4	0.5%

## **SECTION 4: FIRST AID MEASURES**

### **4.1 Description of first aid measures**

#### **Inhalation**

Remove victim immediately from source of exposure. Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further 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. • Do not give anything by mouth to an unconscious person.

#### **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

#### **Eye contact**

Immediately flush with plenty of water for up to 15 minutes. 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. • Call poison control center or doctor for treatment advice

### **4.2 Most important symptoms and effects, both acute and delayed**

### **4.3 Indication of any immediate medical attention and special treatment needed.**

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1 Extinguishing media**

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

### **5.2 Special hazards arising from the substance or mixture**

Specific hazards

None.

### **5.3 Advice for firefighters**

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Follow precautions for safe handling described in this safety data sheet.

### **6.2 Environmental precautions**

This Disinfectant is slightly toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA

### **6.3 Methods and material for containment and cleaning up**

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### **6.4 Reference to other sections**

## SECTION 7: STORAGE AND HANDLING

Advice on safe handling:	Avoid contact with skin and eyes. Provide sufficient air exchange and/ or exhaust in work rooms
Conduct for safe storage:	Keep container tightly closed
Recommended storage temperature:	18.3-35C above 32F Do not freeze

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters Ingredient Comments  
No exposure limits noted for ingredient(s)
- 8.2 Exposure controls
- Protective equipment**
- Engineering measures**  
Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.
- Respiratory equipment**  
None.
- Hand protection**  
Gloves
- Eye protection**  
Eye glasses with safety shields
- Other Protection**  
Wear appropriate long sleeve clothing.
- Hygiene measures**  
No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1. Information on basic physical and chemical properties
- |                                     |                  |
|-------------------------------------|------------------|
| <b>Physical state</b>               | Liquid           |
| <b>Appearance</b>                   | Clear to turbid  |
| <b>Odor</b>                         | Slight           |
| <b>Odor Threshold</b>               | Not determined   |
| <b>pH</b>                           | 4.0-7.0          |
| <b>Melting point/freezing point</b> | 0°C/0°C          |
| <b>Boiling point/boiling range</b>  | 100 °C           |
| <b>Flash point</b>                  | 100 °C           |
| <b>Evaporation rate</b>             | Similar to water |
| <b>Flammability (solid, gas)</b>    | N/A              |
| <b>Flammability Limits in Air</b>   |                  |
| <b>Upper flammability limits</b>    | N/A              |
| <b>Lower flammability limit</b>     | N/A              |
| <b>Vapor pressure</b>               | 23 mmHg          |
| <b>Vapor density</b>                | 23gm/m³          |
| <b>Specific Gravity @ 25C</b>       | .0.95-1.05       |
| <b>Water solubility</b>             | Soluble in water |
| <b>Solubility in other solvents</b> | Not determined   |
| <b>Partition coefficient</b>        | Not determined   |
| <b>Autoignition temperature</b>     | Not flammable    |
| <b>Decomposition temperature</b>    | Not determined   |
| <b><u>Other Information</u></b>     |                  |

## **SECTION 10: STABILITY AND REACTIVITY**

- 10.1 Reactivity  
No specific reactivity hazards associated with this product.
- 10.2 Chemical stability  
Stable under normal temperature conditions and recommended use.
- 10.3 Possibility of hazardous reactions  
Not available.
- 10.4 Conditions to avoid  
Avoid excessive heat for prolonged periods of time. Avoid freezing since water based. (will thaw)
- 10.5 Incompatible materials  
Not available
- 10.6 Hazardous decomposition product  
None.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### 11.1. Information on toxicological effects

#### **Acute Oral LD50**

**LD50>2000mg/kg <5000mg/kg Category 5**

**Acute Dermal LD50 Ld50>2000mg/kg <5000mg/kg**

**Skin contact Non-irritant**

#### **Acute Eye Irritation**

Reversible eye irritation Category 2B

**Acute Inhalation Toxicity LC50 <4.8mg/L Category 4**

**Skin Sensitization contact Non-sensitization**

#### **Germ Cell Mutagenicity**

Data is not available at this time

#### **Carcinogenicity**

Data is not available at this time. Not expected to be carcinogenic.

#### **Reproductive Toxicity**

Data is not available at this time. Not expected to have reproductive toxicity.

#### **STOT-single exposure**

Unclassified

#### **STOT-repeated exposure**

Unclassified

#### **Aspiration Hazard**

## **SECTION 12: ECOLOGICAL INFORMATION**

### Ecotoxicity

#### **12.1 Toxicity**

Acute Toxicity Daphnia magna OECD 202 Immobility

Data is not available at this time

Acute Toxicity Danio Rerio OECD 203

Data is not available at this time

Fresh water Algae Growth Desmodesmus subspicatus at 72 hours OECD 201

Data is not available at this time

#### **12.2 Persistence and degradability**

Degradability

Data is not available at this time

#### **12.3 Bioaccumulative potential**

Bioaccumulative potential Data is not available at this time

#### **12.4 Mobility in soil**

Mobility: Data is not available at this time

#### **12.5 Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances

#### **12.6 Other adverse effects**

Not applicable.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **General information**

Factory Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Do not puncture or incinerate even when empty This Disinfectant is slightly toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA..

#### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority require

## SECTION 14: TRANSPORTATION INFORMATION

### DOT

Proper shipping name                      **NOT REGULATED**

UN/ID No

Hazard Class

Packing Group                              N/A

Special Provisions                        N/A

### TDG

UN/ID No

Proper shipping name

Hazard Class

Packing Group                              N/A

Special Provisions                        N/A

### IATA

UN/ID No

Proper shipping name

Hazard Class

Subsidiary hazard class                N/A

Packing Group                              N/A

ERG Code                                    N/A

### IMDG

UN/ID No

Proper shipping name

Hazard Class

Subsidiary hazard class                N/A

Packing Group                              N/A

## SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or Mixture

### International Inventories

TSCA	Listed
DSL	Listed
NDSL	Not Listed
EINECS	Listed
ELINCS	Not Listed
ENCS	
IECSC	
KECL	
PICCS	
AICS	

### 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 Chemicals and Chemical Substances

**US Federal Regulations SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 37.

**SARA 311/312 Hazard Categories**

Acute health hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Not Listed			

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Not listed	Not listed	Not listed	Not listed

**U.S. EPA Label Information****SECTION 16: OTHER INFORMATION**

GHS Codes

Hazard Statements In Full

USA National Fire Prevention and OSHA

<b><u>NFPA</u></b>	<b>Health hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	0	0	
<b><u>HMIS</u></b>	<b>Health hazards</b>	<b>Flammability</b>	<b>Physical hazards</b>	<b>Personal protection</b>
	2	0	0	

**Issue Date**     October 17, 2017  
**Revision Date**   January 9, 2019  
**Revision Note**   Acute Toxicity Data

**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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**