

**SECTION I – PRODUCT IDENTIFICATION**

**Product Name:** GREENSHIELD DIRECT GREEN FLOOR & HARD SURFACE NEUTRAL CLEANER - GALLON

**Product Code Number:** 309

**Product Use:** Cleaner

**WHMIS Class:** Class D – Division 2B

**DOT Classification:** Not regulated as dangerous goods

**TDG Classification:** Not regulated as dangerous goods

**Manufacturer/Supplier:** GREENSHIELD DIRECT  
P. O. Box 901  
Northvale, NJ 07647

**General Assistance:** 800-548-3285; **INFO TRAK:** 800-535-5053

**Emergency Telephone:** 866-836-8855 **USA**

**Emergency Telephone:** 952-852-4646 **CANADA**

LEGEND	
HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	

**SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

INGREDIENT(S)	CAS#	WT%	OSHA PELS	ACGIH-TLV	LC50	ORAL LD50
Alcohols, C12-15, ethoxylated	68131-39-5	5-10	Not established	Not established	5 mg/l rat	2000 mg/kg rat
1-Octanesulfonic acid, sodium salt	5324-84-5	1-5	Not established	Not established	Not available	5000 mg/kg rat

**SECTION III - PHYSICAL CHARACTERISTICS**

<b>Boiling Point:</b> 100°C	<b>Specific Gravity:</b> 1 - 1 @25°C (77°F) (H2O = 1)
<b>Freezing Point:</b> 0°C	<b>Coefficient of Water/Oil Distribution:</b> Not available
<b>Vapor Pressure:</b> Same as water	<b>% Volatile:</b> 85-90%
<b>Vapor Density:</b> Same as water	<b>Evaporation Rate:</b> 1 (H2O = 1)
<b>Solubility in Water:</b> Complete	<b>pH:</b> 6.8 – 7.2
<b>Physical State:</b> Liquid	<b>Viscosity:</b> Same as water
<b>Appearance:</b> Orange Liquid	<b>Odor Threshold:</b> Low odor
<b>Odor:</b> Characteristic	

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<b>Flammability:</b> Not flammable by WHIMIS/OSHA criteria	<b>LEL:</b> Not available	<b>UEL:</b> Not available
<b>Flash Point:</b> >100.00°C (>212°F)		
<b>Hazardous Combustion Products:</b> May include and are not limited to: Oxides of carbon.		
<b>Autoignition Temperature:</b> Not available		
<b>EXPLOSION DATA:</b>		
<b>Sensitivity to Mechanical Impact:</b> Not available		
<b>Sensitivity to Static Discharge:</b> Not available		
<b>Means of Extinction:</b> Dry chemical. Foam. Carbon dioxide. Fog.		
<b>Special Fire Hazards:</b> Firefighters should wear a self-contained breathing apparatus.		

**SECTION V - REACTIVITY DATA**

<b>Conditions for Chemical Instability:</b> Stable at normal conditions.
<b>Incompatible Materials:</b> Strong oxidizing agents. Acids.
<b>Reactivity, and Under What Conditions:</b> Do not mix with other chemicals.
<b>Hazardous Decomposition Products:</b> May include and are not limited to: Oxides of carbon when heated to decomposition.

**SECTION VI - TOXICOLOGICAL PROPERTIES**

# MATERIAL SAFETY DATA SHEET

MSDS 309\_0508

**Route of Entry:** Eye, skin contact, inhalation, ingestion.

## EFFECTS OF ACTIVE EXPOSURE:

**Eye:** May cause irritation.  
**Skin:** May cause irritation.  
**Inhalation:** May cause respiratory tract irritation.  
**Ingestion:** May cause stomach distress, nausea or vomiting.

## EFFECTS OF CHRONIC EXPOSURE:

**Skin:** Prolonged or repeated exposure can cause drying, defatting and dermatitis.  
**Irritancy:** Hazardous by WHIMIS/OSHA criteria.  
**Respiratory Tract Sensitization:** Non-hazardous by WHIMIS/OSHA criteria.  
**Carcinogenicity:** Non-hazardous by WHIMIS/OSHA criteria.  
**Teratogenicity:** Non-hazardous by WHIMIS/OSHA criteria.  
**Mutagenicity:** Mutagenic effects were observed in somatic and reproductive cells of live animals (rats and mice) exposed to high oral doses of ethanol.  
**Reproductive Effects:** Not-hazardous by WHIMIS/OSHA criteria.  
**Synergistic Materials:** Not available

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## SECTION VII – PREVENTATIVE MEASURES

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**Gloves:** Rubber gloves. Confirm with a reputable supplier first.  
**Eye Protection:** Safety glasses  
**Respiratory Protection:** Not normally required if good ventilation is maintained.  
**Other Protective Equipment:** As required by employer code.  
**Engineering Controls:** General ventilation normally adequate.  
**Leak and Spill Procedure:** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.  
**Waste Disposal:** Review federal, state/provincial, and local government requirements prior to disposal.  
**Handling Requirements:** Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product.  
**Storage Requirements:** Keep out of reach of children. Store in a closed container away from incompatible materials.

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## SECTION VIII - FIRST AID

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**Eye:** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.  
**Skin:** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.  
**Inhalation:** If symptoms develop move victim to fresh air. If symptoms persist obtain medical attention.  
**Ingestion:** Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or if convulsing.

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## SECTION IX – PREPARATION INFORMATION

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**Effective Date:** September 18, 2007  
**Expiry Date:** September 18, 2010  
**Issue Date:** September 18, 2007  
**Prepared By:** Attn: Regulatory Manager 630-543-7600

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