

MATERIAL SAFETY DATA SHEET



SECTION I - PRODUCT IDENTIFICATION

Product Name: GREEN CONCEPTS 2 Neutral Disinfectant Cleaner
Product Code Number 5018.0
Product Use: Disinfectant Cleaner
WHMIS Class: Class B - Division 3 - Combustible Liquid, Class D - Division 2A, Class E - Corrosive Material
DOT Classification: Flammable liquids, corrosive, n.o.s. (ETHANOL); Class 3 (8); UN2924; PGIII
TDG Classification: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (ETHANOL); Class 3 (8); UN2924; PGIII
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LEGEND HMIS/NFPA		Health
Severe	4	3
Serious	3	Flammability
Moderate	2	1
Slight	1	Physical Hazard
Minimal	0	0
		Personal Protection
		B



SECTION II - HAZARDOUS INGREDIENTS

Ingredient(s)	CAS #	Wt%	OSHA PELS	ACGIH-TLV	LC50	Oral LD50
Alkyl benzyl dimethyl ammonium chloride	68424-85-1	7 - 13	Not established	Not established	Not available	426 mg/kg rat
Ethanol	64-17-5	3 - 7	1000 ppm - TWA	1000 ppm - TWA	31623 ppm rat	3450 mg/kg mouse; 1501 mg/kg rat
Octyl decyl dimethyl ammonium chloride	68424-95-3	10 - 30	Not established	Not established	Not available	Not available
Alcohols, C12-15, ethoxylated	68131-39-5	1 - 5	Not established	Not established	5 mg/l rat	2000 mg/kg rat
Tetrasodium ethylenediamine tetraacetate	64-02-8	1 - 5	15 mg/m3 - TWA	Not established	Not available	1658 mg/kg rat

SECTION III - PHYSICAL DATA

Boiling Point:	93 °C	Specific Gravity:	1.00 - 1.02
Freezing Point:	0 °C	Coefficient of Water/Oil Distribution:	Not available
Vapor Pressure:	Same as water	% Volatile:	70-80%
Vapor Density:	Same as water	Evaporation Rate:	Not available
Solubility in Water:	Complete	pH:	6.5 - 7.5 (100%)
Physical State:	Liquid	Viscosity:	Same as water
Appearance:	Clear yellow liquid	Odor Threshold:	Low Odor
Odor:	Characteristic.		

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Combustible by WHMIS/OSHA criteria.
Flash Point (Pensky-Martens Closed Cup): 54.4 °C (129.92 °F) **LEL:** Not available **UEL:** Not available
Hazardous Combustion Products: May include and are not limited to: Oxides of carbon. Hydrogen chloride. Oxides of nitrogen.
Autoignition Temperature: Not available
Explosion Data:
 Sensitivity to Mechanical Impact: Not available
 Sensitivity to Static Discharge: Not available
Means of Extinction: Dry chemical. Carbon dioxide. Foam.
Special Fire Hazards: Firefighters should wear a self-contained breathing apparatus.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability:	Stable under recommended storage conditions.
Incompatible Materials:	Caustics. Acids. Oxidizers.
Reactivity, and Under What Conditions:	Avoid high temperatures. Do not mix with other chemicals.
Hazardous Decomposition Products:	May include and are not limited to: Oxides of carbon. Hydrogen chloride. Oxides of nitrogen.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin contact, Inhalation, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

Eye:	Causes chemical burns. May cause blindness.
Skin:	Causes chemical burns.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

EFFECTS OF CHRONIC EXPOSURE:

Skin:	Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.
Irritancy:	Hazardous by WHMIS/OSHA criteria.
Respiratory Tract Sensitization:	Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity:	Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity:	Non-hazardous by WHMIS/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:	Non-hazardous by WHMIS/OSHA criteria.
Synergistic Materials:	Not available

SECTION VII - PREVENTATIVE MEASURES

Gloves:	Rubber gloves. Confirm with a reputable supplier first.
Eye Protection:	Wear chemical goggles.
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:	Remove sources of ignition. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal:	Dispose in accordance with all applicable regulations.
Handling Requirements:	Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing.
Storage Requirements:	Keep out of reach of children. Do not store at temperatures above 120°F (49°C). Store in a closed container away from incompatible materials.

SECTION VIII - FIRST AID

Eye:	Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.
Skin:	Immediately flush with 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 is convulsing.

SECTION IX - PREPARATION INFORMATION

Effective Date: 27-Oct-2009 **Expiry Date:** 27-Oct-2011 **Issue Date:** 27-Oct-2009

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Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

