

SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT: **GREEN MACHINE LIQUID RINSE**

GENERAL DESCRIPTION: Dish Machine Liquid Rinse
SUPPLIER/MANUFACTURER: EcoLogic Solutions Holdings Inc.
ADDRESS: 63 Flushing Ave, Unit 267, Brooklyn, NY 11205
EMERGENCY CONTACT: CHEM-TEL, INC.
EMERGENCY PHONE: 1-800-255-3924
BUSINESS PHONE: (718) 435-5422 (Product Information)
E-MAIL: info@ecologicsolutions.com
DATE OF PREPARATION: 3/26/2014
DATE OF LAST REVISION: 5/1/2015

SECTION 2 – HAZARD IDENTIFICATION

THRESHOLD LIMIT: Not established

GHS SIGNAL WORD: None.

<u>HAZARD RATING</u>	HMIS
HEALTH	0
FLAMMABILITY	0
REACTIVITY	0.
SPECIAL	none

GHS PRECAUTIONARY STATEMENTS: **None.** The product contains no substances which at their given concentration are considered to be hazardous to health.

HEALTH HAZARDS/EFFECTS OF OVEREXPOSURE: Not applicable.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS #	% by Weight
Isopropyl alcohol	67-63-0	<5*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.
Skin Contact	Wash off with warm water and soap. Remove and wash contaminated clothing before reuse. If symptoms persist, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Ingestion	Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, seek medical attention.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: None/Nonflammable- This product is not considered a fire hazard, nor will it support combustion.

EXTINGUISHING MEDIA: Use standard firefighting measures to extinguish fires involving this material (water spray, dry chemicals or foam).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILL/RELEASE PROCEDURES: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery. Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water. Large spillage: Soak up with inert absorbent material.

WASTE DISPOSAL PROCEDURES: Dispose of this product or its residues in accordance with all local, state and federal requirements.

SECTION 7 – HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep from freezing. Keep container closed when not in use.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m ³ TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m ³

Appropriate engineering controls

Engineering Measures	Showers Eyewash stations Ventilation systems
Eye/Face Protection	Safety glasses with side-shields.
Skin and Body Protection	Not usually necessary
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Thin liquid
Odor	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	7.5	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 100 °C / > 212 °F	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	1.019	None known
Water Solubility	100%	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	5 cps	None known

Flammable Properties Not flammable

Explosive Properties No data available

Oxidizing Properties No data available

Other information

VOC Content (%) No data available

SECTION 10- STABILITY AND REACTIVITY

CONDITIONS TO AVOID: No data available.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong Oxidizing agents.

HAZARDOUS DECOMPOSITION MATERIALS: None known based on information supplied.

HAZARDOUS POLYMERIZATION: Will not occur

STABILITY: Stable under normal conditions.

SECTION 11- TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation May cause irritation of respiratory tract.

Eye Contact Contact with eyes may cause irritation.

Skin Contact Prolonged skin contact may defat the skin and produce dermatitis.

Ingestion May cause irritation

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Trade Secret	= 5700 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		Group 3		X

IARC: (International Agency for Research on Cancer)

Group 3: Not Classifiable as to its Carcinogenicity to Humans

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration Hazard No information available.

Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 46032 mg/kg; Acute toxicity estimate

LD50 Dermal
Inhalation
dust/mist

721969 mg/kg; Acute toxicity estimate

4094.9 mg/L; Acute toxicity estimate

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl alcohol	EC50 96 h: > 1000 mg/L (Desmodesmus subspicatus) EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 11130 mg/L static (Pimephales promelas) LC50 96 h: = 9640 mg/L flow-through (Pimephales promelas) LC50 96 h: > 1400000 µg/L (Lepomis macrochirus)		EC50 48 h: = 13299 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects

No information available.

Chemical Name	Log Pow
Isopropyl alcohol	0.05

SECTION 13- DISPOSAL CONSIDERATIONS

Waste Disposal Information: No special method. Observe all applicable Federal, State and Local regulations, rules and/or ordinances regarding disposal of non-hazardous materials. Discarded product is not a hazardous waste according to OSHA. This product is not considered a hazardous waste as per OSHA. Observe all applicable Federal, State and Local regulations, rules and/or ordinances regarding disposal of non-hazardous materials.

Chemical Name	California Hazardous Waste
Isopropyl alcohol	Toxic Ignitable

SECTION 14 – TRANSPORT INFORMATION

DOT EMERGENCY 24-HR: 1.800.477.2577
DOT Shipping Name: Compound, Cleaning Liquid

U.S. DOT Class: Not Regulated

SECTION 15- REGULATORY INFORMATION

International Inventories

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Isopropyl alcohol	67-63-0	1.56	1.0

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

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).

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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Isopropyl alcohol	X	X	X		X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

SECTION 16- OTHER INFORMATION

Always follow label directions carefully when using this or any other chemical product. If information about this product is required, please contact EcoLogic Solutions at 1.800.477.2577 or visit our website at www.ecologicsolutions.com .

Keep Safety Data Sheets filed and organized in an area accessible to workers according to the Hazard Communication Standards.

All information contained in this Safety Data Sheet is provided to the best of EcoLogic Solutions knowledge. No warranty is made with respect to this information, expressed or implied, including warranties of merchantability or fitness for a particular purpose. Users are responsible for verifying the information under their own operating conditions to determine whether the products listed in the SDS are suitable for their intended use. The information contained herein is confidential, intended solely for the user's internal use and may not be provided to any third parties. Users are responsible for compliance with all laws and regulations as may be required by their receipt of the information and use of the products provided with this SDS.