



Safety Data Sheet

Revised July 17, 2018

Replaces: May 11, 2018

1. COMPANY AND PRODUCT IDENTIFICATION

Product Name	Hard Surface Cleaner - Citrus
Item Numbers:	HSCC
Product Use:	Biologically-based hard surface cleaner and deodorizer
Description	Milky White Liquid with Citrus Fragrance
Company	Mother Earth Eco Remediations, LLC 17814 County Road 1499 Ada, OK 74820
Telephone Emergency	Office: (580) 436-1023 Cell: 785-250-8706 Web: www.mothereartheco.com 1-(785) 250-8706

2. HAZARDS IDENTIFICATION

This product is a buffered and preserved aqueous solution containing naturally-occurring viable bacterial cultures. This product does not contain known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200, except as any listed above.

Acute Toxicity: Oral, Category 5

GHS Hazard Phrases:	May be harmful if swallowed. Causes eye irritation.
GHS Precaution Phrases:	Wash hands thoroughly after handling.
GHS Response Phrases:	If skin irritation occurs, get medical attention immediately. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing. If eye irritation persists, get medical attention immediately. IF SWALLOWED: Call a poison control center or doctor/physician if you feel unwell.
GHS Storage and Disposal Phrases:	Dispose of contents and container according to local, city, state and federal regulations Store in a cool dry place at room temperature away from direct sunlight.
Potential Health Effects (Acute and chronic):	
Inhalation:	Not expected to be a problem.
Skin contact:	Not expected to be a problem.
Eye Contact:	Avoid any eye contact. May cause burning of eyes and a few tears.
Ingestion:	Possible nausea, stomach discomfort, diarrhea, headache, dizziness, drowsiness. Do not induce vomiting unless directed by a physician.



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3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

<u>Name</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TWA</u>	<u>% BY WEIGHT</u>
None	None	None	None	None

Non-Hazardous Ingredients

<u>CAS #</u>	<u>Non-Hazardous Components (Chemical Name)</u>	<u>Concentration</u>
7732-18-5	Water (Aqua)	86.78%
mixture	Non-pathogenic Bio-Safety Class I microorganisms	10%
68439-46-3	Alcohols, C9-11, Ethoxylated	1.2%
mixture	Proxel GXL	1%
mixture	Kathon CG / ICP	1%
mixture	Fragrance	<1%
7778-77-0	Monopotassium Phosphate	<0.01%
7758-11-4	Dipotassium Phosphate	<0.01%

4. FIRST AID MEASURES

Eye Contact: Flush with water for at least 15 minutes. Seek medical attention.

Skin Contact: Wash exposed skin with soap and water until gone. Remove affected clothes rinse off product and wash clothes before reuse.

Inhalation: If affected, remove individual to fresh air, get medical attention at once if there is any discomfort.

Ingestion: Dilute by giving large amounts of milk or water. Get medical attention immediately. Do not induce vomiting.

Seek medical attention if irritation or any other symptom persists.

5. FIRE FIGHTING MEASURES

Extinguishing media: Product does not support combustion. Use Foam, Carbon Dioxide, Dry chemical, or Water fog for surrounding fire.

Protective equipment: Wear suitable respiratory equipment when necessary.

Unusual Fire & explosion Hazards: None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear eye protection.

Environmental precautions: Do not allow large amounts of product to enter waterways. Prevent further spillage, if safe.

Clean up methods: May be flushed to drain. Comply with federal, state and local regulations on reporting spills. Keep out of waterways and storm sewers.

7. HANDLING AND STORAGE

Handling: Slightly alkaline blend of bacteria and detergents. Keep off skin and out of eyes.



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Storage: Store in a cool place, out of direct sunlight. Use standard industrial good practices. Wipe up spills immediately as they may be slippery.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: None applicable to raw materials in this product.
Engineering measures: Ensure adequate ventilation of the working area.
Respiratory protection: None is required when adequate ventilation is provided.
Hand protection: As a precaution, wear chemical resistance gloves (PVC, neoprene or butyl).
Eye protection: Safety glasses or chemical goggles are recommended.
Protective equipment: Wash all contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Milky Liquid
Fragrance: Citrus
pH: 8.5
Water solubility: Complete
Boiling Point: 210 deg. F
Flash Point: None
Flammability: Non-flammable
Vapor Pressure: No data available
Specific Gravity: >1

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Freezing temperatures or in excess of 120 deg. F.
Hazardous decomposition products: Possible oxides of carbon (CO, CO₂)
Incompatibilities: Strong acids and alkalis, and strong oxidizing agents may react with product and de-nature stable enzymes and inactivate bacterial cultures.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute oral LD50: no data available
Pathogenic Risk: Viable bacterial cultures are Class I and non-pathogenic.
Carcinogenicity: **IARC:** NO **NTP:** NO **OSHA:** NO

12. ECOLOGICAL INFORMATION

Eco-toxicity: This product is not expected to be dangerous to the environment with respect to mobility, persistency and biodegradability, bio-accumulative potential, aquatic toxicity, and other data related to eco-toxicity.



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13. DISPOSAL CONSIDERATIONS

General Information: Dispose of in compliance with Federal, State and/or current local authority regulations.

14. TRANSPORTATION INFORMATION

Further information This product is classified as a non-hazardous liquid for transport.

15. REGULATORY INFORMATION

Preparation does not contain ingredients listed as dangerous substances in Annex 1 of the EEC directive 67/548.

16. OTHER INFORMATION

<i>Hazardous Material Information System (HMIS)</i>	HEALTH	0
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	B

ADDITIONAL INFORMATION

Personal Protection B - Wear eye protection and gloves while handling this product.

It is the user's responsibility to provide a safe workplace. He or she should consider the health hazard and safety information contained herein as a guide and take those precautions required in an individual operation to instruct employees and develop work practices for a safe environment. The information and recommendations contained herein have been compiled from sources believed to be reliable. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws/regulation. The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components.

MSDS prepared by: R. Ahern 415-419-5027

Prepared by: RJA
Date: 7/17/2018

END OF MSDS