ECO Green®

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 07/01/2021 – **Eco Green Plant Wash**

SAFETY DATA SHEET (SDS)

1. IDENTIFICATION

Product Identifier

Trade name: Eco Green Plant Wash

Relevant identified uses of the substance or mixture and uses advised against: No further relevant information

Product Description: Liquid Surfactant formulated to wash plant surface areas

Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier: EPM (Environmental Plant Management)
24026 West Oakwood Lane
Kansasville, WI 53139

Phone: 414-667-0079

www.epmearth.com

Emergency telephone number: 414-667-0079

2. HAZARD(S) IDENTIFICATION

Classification of the substance or mixture: The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.

Label Elements

GHS label elements: Non-Regulated Material

Hazard pictograms: Non-Regulated Material

Signal word: Non-Regulated Material

Hazard statements: Non-Regulated Material

Unknown acute toxicity: This value refers to knowledge of known, established toxicological or ecotoxicological values. 0% of the mixture consists of component(s) of unknown toxicity.

Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme



NFPA ratings (scale 0 - 4)

Health = 0 Fire = 0 Reactivity = 0



HMIS-ratings (scale 0 - 4)

Health = 0 Fire = 0 Reactivity = 0

Hazard(s) not otherwise classified (HNOC): None known

Chemical characterization: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Components:	Citric Acid, Yeast Extract, Soap, Sodium Benzoate, Potassium Sorbate	
Trade Secret	Acute Tox. 4, H302; STOT SE 3, H335; Eye Irrit. 2B H320	≤ 3%
Trade Secret	Eye Irrit. 2A, H319	≤ 3%

Additional information: The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets. Trade secret made in accordance with paragraph (i) of §1910.1200 of 29 CFR 1910.1200, the OSHA Hazard Communication Standard and U.S. Code of Federal Regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components:

Components:	Wt %	CAS No
Filtered water	**60 - 80**	**7732-18-5**
Citric Acid	**1 - 5**	**77-92-9**
Non-hazardous and/or does not meet criteria for classification	**Balance**	**N/A**

Additional information: In accordance with paragraph (i) of 1910-1200, the specific chemical identity and /or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General information: Wear protective eye wear, mask and gloves

After inhalation: Supply fresh air. If symptoms persist seek medical advice

After skin contact: If skin irritation occurs, seek medical advice

After eye contact: Rinse opened eye with water for 15 minutes. If symptoms persist, seek medical advice.

After swallowing: If swallowed and symptoms occur, seek medical advice

Most important symptoms and effects, both acute and delayed: No further relevant information available

Indication of any immediate medical attention and special treatment needed: No further relevant information available

5. FIRE-FIGHTING MEASURES

Extinguishing media: Product is NOT flammable

Suitable extinguishing agents: Product is NOT flammable, use suitable fire suppression for the burning plastic container.

Special hazards arising from the substance or mixture: No further relevant information available

Advice for firefighters: Product is NOT flammable, use suitable fire suppression for burning plastic.

Protective equipment: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Not required

Environmental precautions: No special measures required

Methods and material for containment and cleaning up: Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose of the collected material according to regulations.

Reference to other sections: See Section 6 for information on safe handling.
See Section 7 for information on personal protection equipment.
See Section 12 for disposal information.

Protective Action Criteria for Chemicals:

PAC-1: Trade Secret	61 mg/m3
PAC-2: Trade Secret	680 mg/m3
PAC-3: Trade Secret	810 mg/m3

7. HANDLING AND STORAGE

Handling

Precautions for safe handling: No special measures required

Information about protection against explosions and fires: No special measures required

Conditions for safe storage, including any incompatibilities: Temperature

Transport: Transport in temperatures above freezing and below temperatures of 140 Degrees F / 60 Degrees C.

Requirements to be met by storerooms and receptacles: Store in a cool, dry place. Store above 32°F (0°C) and below 110°F (43.33°C).

Information about storage in one common storage facility: Not required

Further information about storage conditions: None

Specific end use(s): Plant Wash

8. EXPOSURE CONTROLS/PERSONAL PROTECTIONS

Additional information about design of technical systems: No further data; see section 6

Control Parameters

Components with occupational exposure limits: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation of this SDS were used as basis.

Exposure controls

Personal protective equipment: Wear mask, gloves and eyewear

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.

Breathing equipment: Wear a suitable mask for mist and overspray.

Protection of hands: Wear gloves.

Material of gloves: Rubber, latex or water resistant

Penetration time of glove material: Not applicable.

Eye protection: Eyewear suitable to protect from mist or overspray.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

General Information

Appearance	
Form:	**Liquid**
Color:	**Light Brown**
Odor:	**Odor of soap, clean smelling**
Odor threshold:	**Not determined**
pH-value:	**4.0 – 5.5**

Change in condition:	
Melting point/Melting range:	**Not determined**
Boiling point/Boiling range:	**100 °C (212 °F)**
Flash point:	**None**
Flammability (solid, gaseous)**:**	**Not applicable**
Ignition temperature:	**Not applicable**
Decomposition temperature:	**Not determined**
Auto igniting:	**Product is not self-igniting**
Danger of explosion:	**Product does not present an explosion hazard**
Explosion limits:	**Not determined**
Lower:	**Not determined**
Upper:	
Vapor pressure @ 20 °C (68 °F):	**23 hPa (17 mm Hg)**
Density:	
Relative density:	**Not determined**
Vapor density:	**Not determined**
Evaporation rate:	**Not determined**
Solubility in / Miscibility with:	
Water:	**Soluble**
Partition coefficient (n-octanol/water):	**Not determined**
Viscosity:	
Dynamic:	**Not determined**
Kinematic:	**Not determined**
Solvent content:	
Organic solvents:	**0.0%**
Water:	**76.5%**
Solids content:	**23.5%**
Other information:	**No further relevant information available**

10. STABILITY AND REACTIVITY

Reactivity: No further relevant information available

Chemical stability: Stable under normal conditions

Thermal decomposition / conditions to be avoided: None, if used according to specifications

Possibility of hazardous reactions: No dangerous reactions known

Conditions to avoid: No further relevant information available

Incompatible materials: No further relevant information available

Hazardous decomposition products: No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute toxicity

LD/LC50 values that are relevant for classification:

Trade Secret:

Oral	**LD50**	**1600 mg/kg (Mouse)**
		4070 mg/kg (Rat)
		2000 mg/kg (Rabbit)
Oral	**LD50**	**8000 mg/kg (Rat)**

Primary Irritant Effect

On the skin: No irritating effect

On the eye: Initial irritating effect in concentrated form

Additional toxicological information: The product is not subject to classification according to internally approved calculation methods for preparations.
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic Categories

IARC (International Agency for Research on Cancer): None of the ingredients are listed

NTP (National Toxicology Program): None of the ingredients are listed

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available. None known.

Persistence and degradability: Bio-degradable. No further relevant information available.

Behavior in environmental systems: Non-reactive, bio-degradable.

Bio-accumulative potential: No further relevant information available. Bio-degradable.

Mobility in soil: No further relevant information available

vPvB assessment: Not applicable

Other adverse effects: None known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation: Smaller quantities can be disposed of with household waste if it in accordance with country, federal, state, province and local environmental regulations when disposing of this material.

Uncleaned packaging's

Recommendation: Smaller quantities can be disposed of with household waste if it is in accordance with country, federal, state, province and local environmental regulations when disposing of this material.

Manufacture's Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

UN-Number

DOT, ADR/ADN, ADN, IMDG, IATA: Non-Regulated Material

UN proper shipping name

DOT, ADR/ADN, ADN, IMDG, IATA: Non-Regulated Material

Transport hazard class(es)

DOT, ADR/ADN, ADN, IMDG, IATA:

Class: Non-Regulated Material

Packing Group

DOT, ADR/ADN, IMDG, IATA: Non-Regulated Material

Environmental hazards: Not applicable

Special precautions for user: Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

UN "Model Regulation": Non-Regulated Material

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:	
SARA (Superfund Amendments and Reauthorization):	
Section 355 (extremely hazardous substances):	None of the ingredients are listed
Section 313 (Specific toxic chemical listings):	None of the ingredients are listed
TSCA (Toxic Substances Control Act):	Trade Secret Trade Secret Trade Secret
7732-18-5:	Water, distilled water, deionized water
California Proposition 65:	
Chemicals known to cause cancer:	None of the ingredients are listed
Chemicals known to cause reproductive toxicity for females:	None of the ingredients are listed
Chemicals known to cause reproductive toxicity for males:	None of the ingredients are listed
Chemicals known to cause developmental toxicity:	None of the ingredients are listed
New Jersey Right-to-Know List:	None of the ingredients are listed
Pennsylvania Right-to-Know List:	None of the ingredients are listed
Pennsylvania Special Hazardous Substance List:	None of the ingredients are listed
Carcinogenic categories:	
EPA (Environmental Protection Agency):	None of the ingredients are listed
TLV (Threshold Limit Value established by ACGIH):	None of the ingredients are listed
NIOSH-Ca (National Institute for Occupational Safety and Health):	None of the ingredients are listed
GHS label elements:	Non-Regulated Material
Hazard pictograms:	Non-Regulated Material
Signal word:	Non-Regulated Material
Hazard statements:	Non-Regulated Material
National regulations:	The product is subject to be classified according with the latest version of the regulations on hazardous substances.
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out

16. OTHER INFORMATION

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of preparation:	03.10.2024
Abbreviations and acronyms:	
ADR:	The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN:	The European Agreement concerning the International Carriage of Dangerous Goods by Inlan Waterways
IMDG:	International Maritime Code for Dangerous Goods
DOT:	US Department of Transportation
IATA:	International Air Transport Association
ACGIH:	American Conference of Governmental Industrial Hygienists
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
NFPA:	National Fire Protection Association (USA)
HMIS:	Hazardous Materials Identification System (USA)
LC50:	Lethal concentration, 50 percent LD50: Lethal dose, 50 percent
PBT:	Persistent, Bio-accumulative and Toxic
vPvB:	very Persistent and very Bio-accumulative
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety & Health Administration
TLV:	Threshold Limit Value
PEL:	Permissible Exposure Limit
REL:	Recommended Exposure Limit
Acute Tox. 4:	Acute toxicity – Category 4
Eye Irrit. 2A:	Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B:	Serious eye damage/eye irritation – Category 2B
STOT SE 3:	Specific target organ toxicity (single exposure) – Category 3