

MATERIAL SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier ARENACLEAR™ – Organic Soil Treatment		
Product Use For use in the treatment of percolation, water retention, stabilizing soil and adjusting the pH of the soil.		
Manufacturer's Name TRC & Associates, Inc. – (dba – ARENACLEAR)		Emergency Number (877) 562-8147 OR (330) 388-3197
Street Address 1088 Brandywine Dr		Telephone Number for Information- (877) 562-8147 or (330) 388-3197
City Medina	State Ohio	Date MSDS Prepared May 14, 2020
Zip code 44256		

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

ARENACLEAR Organic Soil Treatment is a proprietary formula containing – water & a mineral blend of the following ingredients - Sulfur, Calcium, Magnesium, Phosphorous, Potassium, Sodium, Boron, Zinc, Iron, Manganese & Copper

SECTION 3 — HAZARDS IDENTIFICATION

A. Emergency Overview:

Light Green liquid color & odorless

B. Potential Health Effects:

Acute Eye:

May cause irritation

Acute Skin:

May cause irritation, including skin sensitization and other skin reactions

Acute Inhalation:

May cause irritation to the respiratory tract and mucous membranes.

Acute Ingestion:

None expected under anticipated use conditions. If ingested may cause vomiting, diarrhea and intestinal distention

SECTION 4 — FIRST AID MEASURES

First Aid Measures for Accidental Exposure:

Eye Exposure -

Immediately flush eyes with plenty of water. Get Medical attention, if irritation persists.

Skin Exposure –

Remove contaminated clothing and shoes immediately. Wash affected area with soap & water. Get medical attention if irritation develops or persists.

Inhalation –

Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult

Ingestion –

Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5 — FIRE FIGHTING MEASURES

Fire Hazard Data:

Flash Point: ND
Method Used: ND

Ignition Temperature: ND

Flammability Limits (vol/vol%) Lower: ND Upper: ND

Extinguishing Media:

Halon, Water spray, Dry Extinguisher, foam or CO2

Special Fire Fighting Procedures:

Move containers from fire areas if possible. Do not scatter spilled material with high pressure water streams. Contain fire, control water for later disposal.

Unusual Fire & Explosion Hazards:

NONE

Hazardous Decomposition Materials (Under Fire Conditions):

Combustion produces toxic and/or hazardous gases.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill-

Wearing proper personal protective equipment (Viii), stop the leak, if possible. For small spills, absorb using sand or other materials and place into clean, dry containers for later disposal. Isolate hazard area and keep unnecessary personnel away.

Dispose of materials according to the applicable Federal, State or local regulations.

SECTION 7 — HANDLING AND STORAGE

Handling:

Use with adequate ventilation. Avoid inhalation and contact with eyes or skin.

Storage:

Store in a well-ventilated, dry place. Keep containers closed. Avoid excessive heat and ignition sources.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Guidelines:

Component	Exposure limits		
	ACGIH	NIOSH	OSHA-PELs
Proprietary Component A	ND	ND	ND
Lignosulfonate	ND	ND	ND
Ferrous Sulfate	1 mg/m3 TWA	ND	ND
Proprietary Component B	ND	ND	ND
Proprietary Component C	ND	ND	ND
Water	NA	NA	NA

Engineering Controls:

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Respiratory Protection:

Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH approved respirator when necessary.

Eye / Face Protection:

Not required under normal use conditions, however if splashing is likely use safety glasses, etc.

Skin Protection:

Chemical resistant gloves recommended, such as neoprene or nitrile rubber.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance - Light Green liquid

Odor- None, Odorless

pH - ND

Specific Gravity – 1.0344

Water Solubility – Soluble

Melting Point Range – NA

Boiling Point Range – 100°C (212°F)

Vapor Pressure – ND

Density – ND

Percent Volatile – ND

Evaporation Rate - <1

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability: Stable under standard use and storage conditions

Conditions to Avoid: Keep away from heat, ignition sources and electrostatic discharge.

Materials/Chemicals to be Avoided: Strong oxidizing agents.

Hazardous Decomposition Products: Toxic and/or hazardous gases

Hazardous Polymerization: Should not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

The toxicological properties for the product as a whole have not been determined. The following are for the individual components only.

Acute Oral Toxicity: For Proprietary Component A: LD 3 g/kg (rat)

For Ferrous Sulfate: LD50 319 mg/kg (rat)

Acute Dermal Toxicity: For Proprietary Component A: LD50. 3.0 g/kg (rabbit)

Acute Inhalation Toxicity: ND

Chronic Toxicity: ND

SECTION 12 — ECOLOGICAL INFORMATION

Ecological Information:

Degradation: Not Determined

Accumulation: Not Determined

Fish-Toxicity: Not Determined

Chemical Fate: Not Determined

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Discard any product, residue disposable container or liner in accordance with Federal, State and Local regulations.

Container Handling and Disposal:

Dispose of container and unused contents in accordance with Federal, State and Local regulations.

SECTION 14 — TRANSPORT INFORMATION

US Department of Transportation Shipping Name:

- Proper Shipping Name – Not Regulated
- Hazard Class – Not Regulated
- ID Number – Not Regulated
- Packaging Group – Not Regulated

SECTION 15 — REGULATORY INFORMATION

Federal Regulations:

SARA Title III Hazard Classes:

Fire Hazard	NO
Ractive Hazard	NO
Release of Pressure	NO
Acute Health Hazard	NO
Chronic Health Hazard	NO

SARA Section References:

Section 302 (RQ)

None of the chemicals in this material have and RQ

Section 302 (TPQ)

None of the chemicals in this material have a TPQ

Section 313

None

Toxic Substances Control Act (TSCA): All components are included in the inventory or are not required to be listed.