

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**GUARANTEED BY:** 

Carolina Eastern, Inc. 347 McAllister Mill Road Scranton, SC 29591

**PRODUCT NAME:** Turf Excellence Micro Pack

CHEMICAL NAME: Inorganic/Organic Chemical Fertilizer Mixture
CHEMICAL FAMILY: Micronutrient mixed liquid blended fertilizer

**Date of Issue:** 1-27-2023

#### 2. HAZARDS IDENTIFICATION SUMMARY

Hazard Classification: Skin irritant, Category 2

Eye irritant, Category 2A

Signal Word: "WARNING"

Hazard Statements:

H315-Causes skin irritation H320-Causes eye irritation

H335-May cause respiratory irritation H333-May be harmful if inhaled

H303-May be harmful if swallowed

Precautionary Statements:

(PREVENTION)

P260-Do not breathe mist/vapors/spray P264-Wash thoroughly after handling

P270-Do not eat, drink, or smoke when using this product

P271-Use only outdoors in a well-ventilated area

P273-Avoid release to the environment

P280-Wear protective gloves / eye protection / face protection

(RESPONSE)

P301+P312- If swallowed, call a POISON CENTER or doctor if you feel unwell

P330-Rinse mouth

P302+P352-IF ON SKIN wash with plenty of soap and water

P305+P351+P338-IN IN EYES rinse cautiously with water for 20 minutes, remove contact lenses and continue rinsing

P337+P313-If eye irritation persists, get medical advice / attention

P362+P364-Take off contaminated clothing

Precautionary Statements, Storage:

P403+P233-Store in a well-ventilated place. Keep container tightly closed.

P501-Dispose of container in accordance with local regulations





## 3. COMPOSITION & INFORMATION ON INGREDIENTS

<b>Chemical Ingredients:</b>	Percentage of Weight:	CAS No.
Water	62.3	7732-18-5
Ferrous Sulfate Heptahydrate	16.5	7720-78-7
Zinc Sulfate	2.0	7733-02-0
Boric Acid	0.9	52869-79-1
Sodium Molybdate	0.01	7631-95-0
Magnesium Sulfate	15.0	7487-88-9
Manganese Sulfate Hexahydrate	2.2	10034-96-5
Leonardite Ore	0.6	1415-93-6
Citric Acid	0.5	77-92-9

#### 4. FIRST AID MEASURES

**If in eyes:** Flush eyes with clean running water for at least 15 minutes. If irritation persists, get medical

attention.

**If on skin:** Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists, or if

rash develops, get medical attention.

If swallowed: If conscious, drink 1 or 2 glasses of water. Get medical attention. Never induce vomiting or give

anything by mouth to an unconscious person.

**If inhaled:** Remove to fresh air. If irritation persists, get medical attention.

#### 5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Not applicable FLAMMABLE LIMITS (LFL & UFL): Not applicable

**EXTINGUISHING MEDIA:** Use medium appropriate to surrounding fire. Dry chemical, carbon

dioxide, foam, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS: May include but not limited to oxides of carbon, hydrogen chloride,

hydrogen fluoride, oxides of nitrogen, ammonia, oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, ammonia,

oxides of phosphorus, oxides of sulfur, hydrogen sulfide.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool containers exposed to fire. Remain upwind.

Avoid breathing smoke. Wear self-contained breathing apparatus

and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

## 6. ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Avoid breathing mists. Absorb and sweep up spills immediately and transfer to suitable containers for possible land application according to label use or disposal. Check local, state and federal regulations for proper disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### 7. HANDLING AND STORAGE

HANDLING: Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact. Avoid eye contact.

Wash hands thoroughly after using this product and before eating, drinking, chewing gum, using

tobacco, or using the toilet.

STORAGE: Store in original containers only. Keep containers tightly closed when not in use. Store in a cool,

dry well-ventilated area, preferably in a locked storage area away from children, feed, food products, and seed. Store at ambient temperatures. Do not contaminate water, food, or feed or

disposal.



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Not normally required. **RESPIRATORY PROTECTION:** Not normally required.

**EYE PROTECTION:** Chemical goggles or shielded safety glasses.

**SKIN PROTECTION:** Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with

socks. Wear rubber or chemical-resistant gloves.

OSHA PEL 8 hr TWA ACGIH TLV-TWA

No listings

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Dark brown / black liquid with mildly sweet odor

**SOLUBILITY:** Appreciable

pH: 2.5-3.5 BULK DENSITY: 10.4 lbs/gal
SPECIFIC GRAVITY (Water = 1): 1.25 BOILING POINT: Not established
VAPOR PRESSURE: Not established
EVAPORATION DATE: Not established

PERCENT VOLATILE (by volume): Not applicable

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical

values should not be construed as a guaranteed analysis of any specific lot or as specification items.

#### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**INCOMPATIBILITY:** Not known

**HAZARDOUS DECOMPOSITION PRODUCTS:** SO<sub>2</sub> may evolve at high temperatures

HAZARDOUS POLYMERIZATION: Will not occur.

#### 11. TOXICOLOGICAL INFORMATION

Acute Oral LD50(rat): Not established

Eye Irritation (rabbit): Not established

Skin Irritation (rabbit): Not established

Inhalation LC50(rat): Not established

Skin Sensitization (guinea pig): Not established

Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH

## 12. ECOLOGICAL INFORMATION

Drift or runoff may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area.

# 13. DISPOSAL CONSIDERATIONS

Do not reuse container. Rinse container thoroughly, adding rinsate to mixing tank. Then offer for recycling at an ACRC site (go to <a href="http://www.acrecycle.org/">http://www.acrecycle.org/</a> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by State and local authorities. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Avoid contaminating water by disposal of equipment wash waters or other product wastes.

## 14. TRANSPORT INFORMATION

**DOT Shipping Description:** NOT REGULATED BY USDOT.

U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI;

LIQUID (NMFC 68140, SUB 5; CLASS 50)



# 15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings: NFPA **HMIS** 

1 Health 0 Least 1 Health 0 Flammability 1 Slight 0 Flammability 2 Moderate 0 Instability 0 Reactivity H PPE

3 High

4 Severe

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire Sudden Release of Pressure N

Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: WARNING: This product contains chemicals known to State of California to cause cancer or

birth defects or other reproductive harm.

# 16. OTHER

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