



Safety Data Sheet

Report Date 17-Aug-19

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1. Identification

Product Name : Resurge Professional (CA)
Synonyms : None
Product Use : Low Dust Granular Humic Acid T&O Grade SGN 100-120
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Causes skin irritation
Eye Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Acute Toxicity Oral : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Acute Toxicity Dermal : Not classified as hazardous under 29 CFR 1910.1200 (2012)

Hazard Categories : Skin Irritation-2

Hazard Statement : Causes skin irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Humic acid (derived from Leonardite)	Proprietary	35.00
Non-hazardous inert ingredients	Proprietary	65.00

4. First Aid Measures

Eye : Flush eyes with water, while holding the eyelids apart. Get medical attention if irritation occurs.

Skin : Wash skin thoroughly with soap and water. Get medical attention if irritation develops. Remove and launder clothing before reuse.

Inhalation : Remove victim to fresh air. Get medical attention if symptoms occur and persist.

Ingestion : Do not induce vomiting unless directed to do so by a medical professional. Rinse mouth with water and give one glass of water to drink. Get medical attention if symptoms occur and persist.

Indication of Immediate Medical Attention and Special Treatment Needed : Immediate medical attention is not required.

5. Fire Fighting Measures

Extinguishing Media : Use extinguishing media appropriate for surrounding fire. Cool fire exposed containers and structures with water.

Specific Hazards Arising from the Chemical : Hazardous decomposition products include oxides of carbon and unknown materials.

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective equipment for all fires involving chemicals.



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6. Accidental Release Measures

- Personal Precautions** : Avoid contact with the eyes. Avoid prolonged skin contact. Wear appropriate protective clothing.
- Protective Equipment** : Impervious rubber or plastic gloves, chemical safety glasses with side shield or goggles, impervious coveralls, apron and boots. Respiratory protection is not normally needed. A safety shower and eyewash station should be available in work area.
- Emergency Procedures** : Prevent spill from entering sewers and water courses. Do not contaminate surface water. Report releases as required by local, state and federal authorities.
- Methods and Materials for Containment and Cleanup** : Sweep up in a method that prevents generation of airborne dust and place in a appropriate container.

7. Handling and Storage

- Precautions for Safe Handling** : Avoid contact with the eyes. Avoid prolonged skin contact. Use with adequate ventilation. Avoid breathing dust if present. Keep containers closed when not in use. Ensure all containers are labeled. Do not reuse containers. Empty containers retain product residues and contaminants which can be hazardous.
- Conditions for Safe Storage** : Store in a cool, dry, well-ventilated area away from bases and other incompatible materials. Keep container tightly closed. Protect from physical damage.

8. Exposure Controls / Personal Protection

- TLV/PEL** : Humic ore: no TLV or PEL established. Aqua Ammonia: TLV=25 ppm (TWA); PEL=50 ppm (TWA).
- Appropriate Engineering Controls** : Use with adequate general or local exhaust ventilation.
- Personal Protective Equipment** : Impervious rubber or plastic gloves, chemical safety glasses with side shield or goggles, impervious coveralls, apron and boots. Respiratory protection is not normally needed. A safety shower and eyewash should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Dark brown granular solid; no odor described.
- Flash Point, °F** : Not determined
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : Not determined
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not determined
- Solubility in Water** : Soluble in water
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 44 lbs/cu. ft. (bulk density)
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : Not determined
- pH** : 6-7
- Flammable Limits (approximate volume % in air)** : Not applicable
- Auto-ignition Temperature** : Not determined
- Decomposition temperature** : Not determined



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10. Stability and Reactivity

- Reactivity** : Not normally reactive.
- Chemical Stability** : Stable
- Hazardous Decomposition** : Decomposition may release oxides of carbon and unknown materials.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Avoid extreme heat or freezing temperatures.
- Incompatible Materials** : Strong bases, strong oxidizing agents and alkalis.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,000 mg/kg (calculated ATE, mix). Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity (Dermal LD50)** : No LD50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity Inhalation LC50** : No LC50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Likely Routes of Exposure** : Skin
 - Skin Irritation** : Causes skin irritation. May cause dermatitis and defatting of skin tissues.
 - Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Skin Sensitization** : This material is not known to cause sensitization.
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : None known
- Other Hazards** : CA PROPOSITION 65 WARNING: No listed ingredients appear on the CA PROPOSITION 65 WARNINGS LISTING.

12. Ecological Information

- Ecotoxicity** : No data available for the mixture. This product is not expected to be harmful to the environment.
- Persistence and Degradability** : Biodegradation is not applicable to inorganic substances.
- Bioaccumulative Potential** : No data available.
- Mobility in Soil** : No data available.
- Other Adverse Effects** : None known.

13. Disposal Considerations

- Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT, IATA or IMDG.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : No information found
- Transport in Bulk** : No information found
- Special Precautions for Transportation** : No information found



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Freight Classification : Fertilizing Compound, (Manufactured Fertilizer), Solid, NOIBN (NMFC Item 68140, Sub 5, Class 50)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 0 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 17-August-2019