1. IDENTIFICATION

Product Identifier
Product Name Lawn Dethatch

Other means of identification
SDS # FLF-ZLD

Recommended use of the chemical and restrictions on use
Recommended Use Lawn dethatch / Soil Bio-stimulant

Details of the supplier of the safety data sheet

Manufacturer Address
Covington Corporation
5801 W. Britton Rd.
Oklahoma City, OK 73132
(405) 676 1575
info@covingtonnaturals.com

2. HAZARDS IDENTIFICATION

Appearance Clear / turbid liquid

Physical State Liquid
Odor Fermentation

Classification

This SDS was created using the criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and is compliant with the Globally Harmonized System of Labeling and Classification of Chemicals (GHS).

<table>
<thead>
<tr>
<th>Code</th>
<th>Prevention precautionary statements</th>
<th>Hazard class</th>
<th>Hazard category</th>
</tr>
</thead>
</table>

Page 1 / 11
### Signal Word
**Warning**

### Hazard Statements
May cause an allergic skin reaction

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<table>
<thead>
<tr>
<th>P280</th>
<th>Protective gloves / protective clothing / eye protection / face protection</th>
<th>Skin / Eye irritation</th>
<th>2 / 2A</th>
</tr>
</thead>
</table>

### Precautionary Statements - Prevention
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves

### Precautionary Statements - Response

IF ON SKIN: Wash with plenty of soap and water
- Wash contaminated clothing before reuse
- If skin irritation or rash occurs: Get medical advice/attention
Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td></td>
</tr>
<tr>
<td>Bacterial Complex (aqueous suspension)</td>
<td>68920-42-3</td>
<td></td>
</tr>
<tr>
<td>Tetrasodium ethylenediamine tetraacetate</td>
<td>64-02-8</td>
<td></td>
</tr>
<tr>
<td>Amino Acid Complex</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST-AID MEASURES

First Aid Measures

General Advice
Provide this SDS to medical personnel for treatment.

Eye Contact
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 advice/attention.

Skin Contact
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

Ingestion
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. If conscious give large amounts of water. Seek immediate medical attention/advice.

Most important symptoms and effects
Lawn De-thatch

Symptoms
Direct contact with eyes may cause mild irritation. May cause mild skin irritation with prolonged or repeated contact. Ingestion of large amounts may cause irritation, nausea or diarrhea. Inhalation may irritate respiratory tract.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray (fog). Dry chemical. Carbon dioxide (CO2). Foam.

Unsuitable Extinguishing Media
Not determined.

Specific Hazards Arising from the Chemical
Product is not flammable or combustible.

Hazardous Combustion Products
Smoke, fumes or vapors, and oxides of carbon.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear. Do not enter confined fire-spaces without protective clothing and self-contained air supply.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions
Use personal protection recommended in Section 8.

Environmental Precautions
See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up
Flush small spills with water. Large spills-confine spill, soak up with approved absorbent, and shovel product into approved container for disposal. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling
Handle in accordance with good industrial hygiene and safety practice. Wear protective gloves/protective clothing and eye/face protection. Wash face, hands, and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or
smoke when using this product. Avoid breathing vapors or mists. Contaminated work clothing should not be allowed out of the workplace.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**
Store in secured area. Store locked up. Keep container closed when not in use.

**Incompatible Materials**
None known based on information supplied.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**
No exposure limits noted for ingredient(s) The following information is given as general guidance

**Appropriate engineering controls**

**Engineering Controls**
Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Maintain eye wash fountain and quick-drench facilities in work area.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**
Safety glasses with side shields or chemical goggles.

**Skin and Body Protection**
Wear protective gloves and protective clothing. PVC gloves. Rubber gloves.

**Respiratory Protection**
Not required under normal use conditions.

**General Hygiene Considerations**
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES
Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear / Turbid liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight fermentation</td>
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<tr>
<td>Color</td>
<td>Clear / Turbid</td>
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<tr>
<td>Odor Threshold</td>
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<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
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<tr>
<td>pH</td>
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<tr>
<td>Melting Point/Freezing Point</td>
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<tr>
<td>Boiling Point/Boiling Range</td>
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</tr>
<tr>
<td>Flash Point</td>
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<tr>
<td>Evaporation Rate</td>
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<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
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<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
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<tr>
<td>Lower Flammability Limit</td>
<td>Not determined</td>
<td></td>
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<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>
Vapor Density Not determined

Specific Gravity 1.01 (1=Water)

Water Solubility Completely soluble

Solubility in other solvents Not determined

Partition Coefficient Not determined

Auto-ignition Temperature Not determined

Decomposition Temperature Not determined

Kinematic Viscosity Not determined

Dynamic Viscosity Not determined

Explosive Properties Not determined

Oxidizing Properties Not determined

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.
Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization
Hazardous polymerization does not occur.

Conditions to Avoid
Contact with incompatible materials.

Incompatible Materials
None known based on information supplied.

Hazardous Decomposition Products
Smoke, fumes or vapors, and oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Data as Supplied for compounds at 100%

Tetrasodium ethylenediamine tetraacetate  64-02-8
Acute Oral LD50: 3,300 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity
Ecological studies have not been carried out on this product

Persistence/Degradaibility
Not determined.

Bioaccumulation
Not determined.

Mobility
Not determined
Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note

DOT
Not Regulated NMFC 020400

IATA
Not Regulated

IMDG
Not Regulated

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Materials used in this formulation</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
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</table>

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
US Federal Regulations

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313
Not determined

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65
This product does not contain any proposition 65 chemicals.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
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</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
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<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
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Issue Date: 15 February 2022
Revision Date: 
Revision Note:

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information
relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet