

SAFETY DATA SHEET

Version 2.0

Revision Date: 01/03/2019

SECTION 1. IDENTIFICATION

Product name	LawnStar® Chelated Liquid Iron
Product Use	Soil Amendment
Manufacturer	Omega Trade LLC 109 E 17th St Ste 5183 Cheyenne WY 82001
Emergency telephone number	CHEMTREC 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity , oral	Category 0 :
Skin irritation	Category 1
Serious eye damage	Category 0
Specific target organ toxicity, single exposure	Category 0 respiratory tract irritation

GHS Label element

Hazard pictograms



Signal word

Warning

Hazard statements

H315 Causes skin irritation.

Precautionary statements

Prevention

P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.

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Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse. **Storage:**

P402 + P404 Store in a dry place. Store in a closed container.

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON hazardous INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Sodium Gluconate	31138-65-5	<10%

SECTION 4. FIRST AID MEASURES

If inhaled	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.
In case of skin contact	After contact with skin, wash immediately with plenty of soap and water Consult a physician.
In case of eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Call a physician immediately.
If swallowed	Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	No information available.
Notes to physician	No information available.

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SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Dry powder Water spray Foam
Specific hazards during firefighting	Heating or fire can release toxic gas.
Further information	Use water spray to cool unopened containers.
Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use respirator when performing operations involving potential exposure to vapour of the product.
Environmental precautions	
General advice	Do not flush into surface water or sanitary sewer system.
Methods and materials for containment and cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	Provide sufficient air exchange and/or exhaust in work rooms. Avoid contact with skin and eyes.
Conditions for safe storage	Keep container tightly closed. To maintain product quality, do not store in heat or direct sunlight. Keep in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Personal protective equipment

Respiratory protection In the case of vapour formation use a respirator with an approved filter.

Hand protection

Remarks Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact

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Eye protection	Tightly fitting safety goggles
Skin and body protection	Choose body protection according to the amount and concentration of the dangerous substance at the work place. No special protective equipment required.
Hygiene measures	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Colour	translucent dark brown
Odour	soapy
pH	3.2 ± 1
Freeze point/range	> 0 °C
Boiling point/boiling range	100 °C
Evaporation rate	Method: Pensky-Martens Closed Tester (ASTM D 93), closed cup
Upper explosion limit	no data available
Lower explosion limit	no data available
Vapour pressure	no data available
Specific Gravity	1.22 10.20lbs /gallon
Solubility(ies) Water solubility	micible

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Decomposition temperature no data available

Viscosity, dynamic no data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity Stable under recommended storage conditions.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions Hazardous polymerisation does not occur. Stable under normal conditions.

Conditions to avoid extremes of temperature

Incompatible materials Strong oxidising agents

Hazardous decomposition products Nitrogen oxides (NO_x)
Carbon oxides
Heating or fire can release toxic gas.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
Eyes
Skin
Inhalation
Ingestion

Acute toxicity

Acute oral toxicity (LD50) > 2,000 mg/kg
Species: Rat
Method: OECD Test Guideline 401

Acute oral toxicity (LD50) 4,656 mg/kg
Species: Rat
Method: DOT

Skin corrosion/irritation

Skin irritation moderate to severe irritant
Species: Rabbit
Method: DOT

Serious eye damage/eye irritation

Eye irritation severe irritant
Species: Rabbit

Further information

Remarks: Information given is based on data on the components and the toxicology of similar products. No data is available on the product itself.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxicity to fish (LC50) no data available

Persistence and degradability

no data available

Bioaccumulative potential

Bioaccumulation Remarks: no data available

Mobility in soil

Distribution among environmental compartments Remarks: no data available

Other adverse effects

Results of PBT and vPvB assessment This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Additional ecological information Information given is based on data on the components and the ecotoxicology of similar products.

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Mobility in soil

no data available

Other adverse effects

no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	Dispose of in accordance with local regulations. Contact waste disposal services.
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Contaminated packaging	Dispose of as unused product.
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SECTION 14. TRANSPORT INFORMATION

UN number Proper shipping name	Not regulated.
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Transport hazard class
Packing group
Labels
Environmental hazards

Transport hazard class Packing group	Not regulated
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Transport hazard class
Packing group Not dangerous goods
Classification Code
Hazard Identification Number
Labels
Environmental hazards

DOT UN number Not applicable
Proper shipping name Not applicable
Transport hazard class Not applicable
Packing group Not applicable

Special precautions for user none

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

SECTION 15. REGULATORY INFORMATION D2B: Toxic Material Causing Other Toxic Effects

WHMIS Classification

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards Acute Health Hazard

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

The components of this product are reported in the following inventories:

All components of this product are listed on the EPA TSCA 8b inventory list

SECTION 16: OTHER INFORMATION

HMIS RATINGS: HEALTH: 1

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END OF SDS.