



Safety Data Sheet

1. Identification

Product Information. W.20359

Product Name: One Earth Calcium Lime & Rust Remover

Recommended Use. Cleaning agent

Uses advised against. Professional Use Only

Supplier. Legend Brands
Chemspec
15180 Josh Wilson Road
Burlington, WA 98233
E-Mail: sds@legendbrands.com
800-932-3030

Legend Brands
4520 Eastgate Parkway
Mississauga, ON L4W 3W6
800-932-3030

Emergency telephone number. INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. Hazards Identification

Classification in accordance with the Workplace Hazardous Materials Information System (WHMIS) 2015 based on the Hazardous Products Regulations (HPR).

This product is not classified as hazardous according to GHS classification criteria.

GHS Pictograms

None required.

Signal Word

Not required.

Unknown Acute Toxicity

8.0% of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>HMIRA</u>
L(+) LACTIC ACID	79-33-4	7-13	
sodium citrate	68-04-2	5-10	
Sodium chloride	7647-14-5	1-5	

4. First-aid Measures

Description of first-aid measures.

General advice.

Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation.

Move to fresh air.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

Eye contact.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water.

Symptoms.

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

Notes to physician.

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

Special hazards arising from the substance or mixture.

No information available.

Advice for firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Use personal protection recommended in Section 8.

Environmental precautions.

Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.

Methods for Containment.

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Methods for cleaning up.

Use personal protective equipment as required.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.

Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures.

See section 7 for more information.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
----------------------	----------------------	-----------------------	---------------------	-------------------------

Contains no substances with occupational exposure limit values.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Showers, eyewash stations, and ventilation systems.

Personal protective equipment.

Eye/Face Protection.

Safety glasses with side-shields.

Skin and body protection.

Wear suitable protective clothing.

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

9. Physical and chemical properties.

Information on basic physical and chemical properties.

Physical state	Liquid
Appearance	Colored liquid
Color	No Information
Odor	No Fragrance Added
Odor Threshold	No Information
pH	4.0
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	No Information
Boiling point/boiling range., °C (°F)	No Information
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm ³)	1.110
Water solubility.	No Information
Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information

Viscosity, kinematic.

No Information

Other information.

Volatile organic compounds (VOC) content.

None

Density, lb/gal

No Information

10. Stability and Reactivity**Reactivity.**

Stable under normal conditions.

Chemical stability.

Stable under recommended storage conditions.

Possibility of hazardous reactions.

None known based on information supplied.

Conditions to Avoid.

None known.

Incompatible Materials.

None known based on information supplied.

Hazardous Decomposition Products.

None known.

11. Toxicological Information**Information on toxicological effects.****Acute toxicity.****Product Information**LD50 Oral
OralLD50LD50 Dermal
78,810.00 mg/kgLC50 Inhalation
N.I.**Component Information.**

<u>CAS-No.</u>	<u>Chemical Name</u>
68-04-2	sodium citrate

<u>LD50 Oral</u>
6500 mg/kg

<u>LD50 Dermal</u>
> 5 g / kg

<u>LC50 Inhalation</u>
N.I.

N.I. = No Information

Skin corrosion/irritation.

No Information

Eye damage/irritation.

No Information

Respiratory or skin sensitization.

No Information

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information**Toxicity.**

0.00% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
L(+) LACTIC ACID 79-33-4	-	LC50 96 h Brachydanio rerio 320 mg/L, LC50 96 h Lepomis macrochirus 100 - 180 mg/L, LC50 96 h Oncorhynchus mykiss 100 - 180 mg/L	EC50 48 h Daphnia magna 240 mg/L, EC50 48 h Daphnia magna 180 - 320 mg/L
sodium citrate 68-04-2	-	LC50 96 h Poecilia reticulata 18000 - 32000 mg/L	EC50 48 h Daphnia magna 5600 - 10000 mg/L
Sodium chloride 7647-14-5	-	LC50 96 h Lepomis macrochirus 5560 - 6080 mg/L, LC50 96 h Lepomis macrochirus 12946 mg/L, LC50 96 h Pimephales promelas 6020 - 7070 mg/L, LC50 96 h Pimephales promelas 7050 mg/L, LC50 96 h Pimephales promelas 6420 - 6700 mg/L, LC50 96 h Oncorhynchus mykiss 4747 - 7824 mg/L	EC50 48 h Daphnia magna 1000 mg/L, EC50 48 h Daphnia magna 340.7 - 469.2 mg/L

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>log POW</u>
79-33-4	L(+) LACTIC ACID	-0.62

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations**Waste Disposal Guidance.**

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

14. Transport Information**DOT** No Information**IMDG** No Information

IATA No Information

15. Regulatory Information**International Inventories:**

TSCA Complies
 DSL Complies
 DSL/NDSL Complies
 EINECS/ELINCS -
 ENCS Complies
 IECSC Complies
 KECI Complies
 PICCS Complies
 AICS Complies
 NZIoC Complies

TCSI

TSCA United States Toxic Substances Control Act Section 8(b) Inventory.
 DSL Canadian Domestic Substances List.
 DSL/NDSL Canadian Domestic Substances List/Canadian Non-Domestic Substances List
 EINECS/ELINCS European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
 ENCS Japan Existing and New Chemical Substances.
 IECSC China Inventory of Existing Chemical Substances.
 KECI Korean Existing and Evaluated Chemical Substances.
 PICCS Philippines Inventory of Chemicals and Chemical Substances.
 AICS Australian Inventory of Chemical Substances.
 NZIoC New Zealand Inventory of Chemicals.
 TCSI Taiwan Chemical Substance Inventory

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class D2B

16. Other Information

Revision Date: 3/2/2020 Supersedes Date: New SDS
 Reason for revision: No Information
 Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	2	Flammability:	0	Physical Hazard:	0	Personal Protection:	X
---------	---	---------------	---	------------------	---	----------------------	---

NFPA Ratings:

Health:	2	Flammability:	0	Instability:	0	Physical & Chemical:	-
---------	---	---------------	---	--------------	---	----------------------	---

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.