

# Safety Data Sheet



Material Name: BoreSaver Ultra C

SDS ID: 52010-12\_US

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name**

BoreSaver Ultra C

**Synonyms**

Ethanedioic acid dihydrate Dicarboic acid dihydrate

**Product Use**

Cleaning agents

**Restrictions on Use**

Industrial use

**Emergency Contact**

CHEMTREC  
(800) 424-9300  
# 654956

**Details of the supplier of the safety data sheet**

Laval Underground Surveys, LLC  
2476 N. Bundy Dr.  
Fresno, CA 93727  
U.S.A.  
Phone: 559-251-1396  
Fax: 559-251-2096  
Email: [info@lavalunderground.com](mailto:info@lavalunderground.com)

## Section 2 - HAZARDS IDENTIFICATION

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Acute Toxicity - Oral - Category 4  
Acute Toxicity - Dermal - Category 4  
Skin Corrosion/Irritation - Category 1  
Serious Eye Damage/Eye Irritation - Category 1

**GHS Label Elements****Symbol(s)****Signal Word**

Danger

**Hazard Statement(s)**

Harmful if swallowed  
Harmful in contact with skin  
Causes severe skin burns and eye damage

**Precautionary Statement(s)**



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### Prevention

Wear protective gloves/protective clothing/eye protection/face protection

Wash thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dusts or mists

### Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower

Take off contaminated clothing and wash before reuse

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Immediately call a POISON CENTER or doctor

Specific treatment (see label)

### Storage

Store locked up

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations

### Statement of Unknown Toxicity

4% of the mixture consists of ingredient(s) of unknown acute toxicity.

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## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Component Name	Percent
6153-56-6	Oxalic acid	95-96
Confidential	Trade Secret	4-5

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## Section 4 - FIRST AID MEASURES

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### Inhalation

Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.

### Skin

Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

### 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.

### Ingestion



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Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious or convulsive person.

### **Most Important Symptoms/Effects**

#### **Acute**

Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. May cause gastrointestinal irritation and central nervous system depression.

#### **Delayed**

May cause central nervous system effects. May cause kidney effects.

### **Note to Physicians**

Treat symptomatically and supportively.

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## **Section 5 - FIRE FIGHTING MEASURES**

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### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Use any media suitable for the surrounding fires.

#### **Unsuitable Extinguishing Media**

Do not use water jets.

### **Special Hazards Arising from the Chemical**

The product itself does not burn. Containers may rupture or explode if exposed to heat.

### **Hazardous Combustion Products**

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

### **Fire Fighting Measures**

Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Cool containers with water.

### **Special Protective Equipment and Precautions for Firefighters**

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

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## **Section 6 - ACCIDENTAL RELEASE MEASURES**

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### **Personal Precautions, Protective Equipment and Emergency Procedures**

Do not touch or walk through spilled material. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear personal protective clothing and equipment, see Section 8.

### **Methods and Materials for Containment and Cleaning Up**

Keep unnecessary people away, isolate hazard area and deny entry. Ventilate the area. Scoop spilled material into clean, dedicated equipment. Carefully neutralize the dilute liquid with lime slurry, soda ash, limestone, caustic soda or other alkaline material. Dispose in accordance with all applicable regulations. Decontaminate personnel, spill area and all tools and equipment.

### **Environmental Precautions**

Avoid release to the environment.

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## Section 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear personal protective clothing and equipment. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

### Conditions for Safe Storage, Including any Incompatibilities

Store locked up

Store and handle in accordance with all current regulations and standards. Keep away from heat, sparks and flame. Keep away from incompatible materials.

### Incompatible Materials

Oxidizing agents. alkalies.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

Oxalic acid	6153-56-6
ACGIH:	1 mg/m3 TWA
	2 mg/m3 STEL

### Biological limit value

There are no biological limit values for any of this product's components.

### Engineering Controls

Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Wear safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

#### Skin Protection

Wear appropriate chemical resistant clothing. Wear chemical resistant apron, lab coat.

#### Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

#### Glove Recommendations

Wear appropriate chemical resistant gloves.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white crystalline	Physical State	solid
Odor	None	Color	Not available



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<b>Odor Threshold</b>	Not available	<b>pH</b>	1.3 (solution)
<b>Melting Point</b>	101.5 °C	<b>Boiling Point</b>	Not available
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	Not available	<b>Flash Point</b>	(Non-flammable)
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	1
<b>Water Solubility</b>	100 g/l	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	miscible in acid
<b>Density</b>	Not available	<b>Physical Form</b>	crystalline solid
<b>Volatility</b>	(Not volatile)		

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### Section 10 - STABILITY AND REACTIVITY

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#### Reactivity

No reactivity hazard is expected.

#### Chemical Stability

Stable under normal conditions of use.

#### Possibility of Hazardous Reactions

Will not polymerize.

#### Conditions to Avoid

Avoid flames, sparks, and other sources of ignition. Avoid contact with water or incompatible materials.

#### Incompatible Materials

Oxidizing agents. alkalies.

#### Hazardous decomposition products

oxides of carbon.

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### Section 11 - TOXICOLOGICAL INFORMATION

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#### Information on Likely Routes of Exposure

##### Inhalation

May cause severe irritation or possibly burns.

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## **Skin Contact**

Harmful in contact with skin. Causes severe burns.

## **Eye Contact**

Causes severe burns.

## **Ingestion**

Harmful if swallowed. Ingestion may cause burns of the mouth and stomach. May cause central nervous system depression and kidney damage. May cause calcium deficiency, muscle cramps.

## **Acute and Chronic Toxicity**

### **Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Oxalic acid (6153-56-6)

Oral LD50 Rat 375 mg/kg

Trade Secret (Confidential)

Oral LD50 Rat 2490 mg/kg

## **Immediate Effects**

Causes severe skin burns and eye damage. May cause central nervous system depression.

## **Delayed Effects**

May cause central nervous system depression and kidney damage.

## **Irritation/Corrosivity Data**

Causes severe skin burns and eye damage. May cause burns to the respiratory tract. May cause mucous membrane destruction. May cause mucous membrane irritation and burns.

## **Respiratory Sensitization**

No information available for the product.

## **Dermal Sensitization**

No information available for the product.

## **Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

## **Germ Cell Mutagenicity**

No information available for the product.

## **Tumorigenic Data**

No data available

## **Reproductive Toxicity**

No information available for the product.

## **Specific Target Organ Toxicity - Single Exposure**

central nervous system, kidneys

## **Specific Target Organ Toxicity - Repeated Exposure**

kidneys

## **Aspiration hazard**

No data available.

## **Medical Conditions Aggravated by Exposure**

No data available.

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## Section 12 - ECOLOGICAL INFORMATION

### Component Analysis - Aquatic Toxicity

Trade Secret	Confidential
Invertebrate:	EC50 48 h Daphnia magna 190 mg/L IUCLID

### Persistence and Degradability

No information available for the product.

### Bioaccumulative Potential

No information available for the product.

### Mobility

No information available for the product.

### Bioconcentration

No information available for the product.

## Section 13 - DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose in accordance with all applicable federal, state/regional and local laws and regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D002.

## Section 14 - TRANSPORT INFORMATION

### US DOT Information:

**Shipping Name:**CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S., (Contains: Oxalic acid)

**Hazard Class:** 8

**UN/NA #:** 3261

**Packing Group:** III

**Required Label(s):** 8

### IATA Information:

**Shipping Name:**CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S., (Contains: Oxalic acid)

**Hazard Class:** 8

**UN/NA #:** 3261

**Packing Group:** III

**Required Label(s):** 8

### ICAO Information:

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**Required Label(s):** 8

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### Section 15 - REGULATORY INFORMATION

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**U.S. Federal Regulations**

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C)**

**Acute Health:** Yes **Chronic Health:** No **Fire:** No **Pressure:** No **Reactivity:** No

**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Oxalic acid	6153-56-6	No	No	No	No	Yes

**Not listed under California Proposition 65**

**Canada Regulations**

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

**Canadian WHMIS Ingredient Disclosure List (IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Trade Secret	Confidential
	1 %

**WHMIS Classification**

E

**Component Analysis - Inventory**





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Oxalic acid (6153-56-6)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
No	No	No	Yes	Yes	Yes	No	No	No	Yes	Yes	No	Yes

Trade Secret (Confidential)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes

## Section 16 - OTHER INFORMATION

### NFPA Ratings

Health: 3 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Summary of Changes

New SDS: 30, June 2015

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

### Other Information

#### Disclaimer:

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