



# Safety Data Sheet

Issue date 11-Jul-2018

Revision date 13-Aug-2020

Revision Number 3

## 1. IDENTIFICATION

### Product identification

Product identifier	Lawson LRC Rust Converter
Other means of identification	93002
Recommended use	Cleaner
Restrictions on use	For industrial use only

### Supplier

Corporate Headquarters:  
Lawson Products, Inc.  
8770 W. Bryn Mawr Ave., Suite 900  
Chicago, IL 60631  
(866) 837-9908

Canadian Distribution Center:  
Lawson Canada  
7315 Rapistan Court  
Mississauga, ON L5N 5Z4  
(800) 323-5922

**24 Hour Emergency Phone Number** (888) 426-4851 (Prosar)

**Website** <https://www.lawsonproducts.com>

## 2. HAZARD(S) IDENTIFICATION

**Hazard Classification** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS 2015 and GHS Regulations.

Serious eye damage/eye irritation	Category 2B
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**Symbol** Not applicable

**Signal word** WARNING

**Hazard statements** H320 - Causes eye irritation

### Precautionary statements

**General**  
P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P103 - Read label before use.

**Prevention** P264 - Wash hands thoroughly after handling

### Response

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

	P337 + P313 - If eye irritation persists: Get medical advice/attention
<b>Storage</b>	Not applicable
<b>Disposal</b>	P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable
<b>Hazard(s) Not Otherwise Classified (HNOC)</b>	Not available.
<b>Physical Hazards Not Otherwise Classified (PHNOC)</b>	Not available.
<b>Unknown acute toxicity</b>	35%.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Composition** Mixture.

Chemical name	CAS-No	Weight %
Tannic Acid	1401-55-4	3-7
2-Butoxyethanol	111-76-2	1-5
Ethylene oxide	75-21-8	0.1-2

The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST-AID MEASURES

#### Necessary first-aid measures

<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. Administer artificial respiration if not breathing. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Ingestion</b>	Call a physician immediately. Rinse mouth with water. Do not induce vomiting without medical advice.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Seek medical attention if irritation occurs.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
<b>Most important symptoms (acute)</b>	None known.
<b>Most important symptoms (over-exposure)</b>	None known.
<b>Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Carbon dioxide (CO2). Foam. Water fog. Water spray.
<b>Unsuitable extinguishing media</b>	Not available.

<b>Specific hazards</b>	Hazardous Thermal Decomposition Products: Oxides of carbon.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to keep fire-exposed containers cool.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear personal protective clothing and equipment, see section 8.
<b>Methods and materials for containment and cleaning up</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations. Small Spill: Dilute with water and mop up if water soluble.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Nitrile gloves are recommended. Put on appropriate personal protective equipment (see section 8). Avoid skin contact. Avoid contact with eyes. Remove and wash contaminated clothing before re-use. Keep out of reach of children.
<b>Conditions for safe storage, including any incompatibilities</b>	Store away from other materials. Keep in a dry, cool and well-ventilated place. Incompatible with some plastics and painted surfaces, pre-test before using. Store at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Control parameters</b>	See information below
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Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Tannic Acid	-	-	-
2-Butoxyethanol	50 ppm TWA 240 mg/m <sup>3</sup> TWA	20 ppm TWA	5 ppm TWA 24 mg/m <sup>3</sup> TWA
Ethylene oxide	1 ppm TWA	1 ppm TWA	0.1 ppm TWA 0.18 mg/m <sup>3</sup> TWA

<b>Appropriate engineering controls</b>	Showers, eyewash stations, and ventilation systems. Provide adequate ventilation to keep exposure limits below PEL.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	The following gloves are recommended for prolonged or repeated contact: Wear protective nitrile rubber gloves. Wear suitable protective clothing.
<b>Respiratory protection</b>	Not required with adequate ventilation.
<b>Hygiene measures</b>	Wash hands after handling the product. Wash contaminated clothing before reuse.

### Canadian Province Occupational Exposure Limits

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
Tannic Acid	-	-	-	-	-	-	-	-	-	-
2-Butoxyethanol	20 ppm TWA	20 ppm TWA	20 ppm TWA	25 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA TWA EV	20 ppm TWA

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
	97 mg/m <sup>3</sup> TWA			121 mg/m <sup>3</sup> TWA					97 mg/m <sup>3</sup> TWA EV	
Ethylene oxide	1 ppm TWA 1.8 mg/m <sup>3</sup> TWA	0.1 ppm TWA	1 ppm TWA	1 ppm TWA 1.8 mg/m <sup>3</sup> TWA	1 ppm TWA	1 ppm TWA	1 ppm TWA 1.8 mg/m <sup>3</sup> TWA	1 ppm TWA	1 ppm TWA EV 1.8 mg/m <sup>3</sup> TWA EV	1 ppm TWA

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Off-white
Odor	Odorless
Odor threshold	No information available
pH	<2
Melting point/range °C	No data available
Melting point/range °F	No data available
Boiling point/range °C	100°
Boiling point/range °F	212°
Flash point °C / °F	No data available
Evaporation rate	>1 (Butyl Acetate = 1)
Flammability (Solid, Gas)	This product is not flammable
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	23.8 mmHg @ 25°C
Vapor density	1(Air=1)
Relative density	1.01-1.04
Solubility	Insoluble in water
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature °C	No data available
Autoignition temperature °F	No data available
Decomposition temperature °C	No data available
Decomposition temperature °F	No data available
Viscosity	No data available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Iron oxides and other metals.
<b>Chemical stability</b>	This material is considered stable.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	Avoid extreme temperatures.
<b>Incompatible materials</b>	Incompatible with some plastics and painted surfaces, pre-test before using.
<b>Hazardous decomposition products</b>	carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

<b>Information on likely routes of exposure</b>	Dermal. Inhalation. Ingestion. Eyes.
<b>Symptoms</b>	irritating to the eyes. May cause redness and pain. corneal opacity. Nausea. Skin irritation. dryness. May cause irritation of respiratory tract.
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	None known.

### Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Tannic Acid	-	= 2260 mg/kg Rat	2260 mg/kg Rat
2-Butoxyethanol	450 ppm Rat 486 ppm Rat	= 470 mg/kg Rat 435 mg/kg Rabbit	470 mg/kg Rat = 435 mg/kg Rabbit
Ethylene oxide	800 ppm Rat	= 72 mg/kg Rat	72 mg/kg Rat

<b>ATEmix (dermal)</b>	220 mg/kg
<b>ATEmix (oral)</b>	470 mg/kg
<b>ATEmix (inhalation-gas)</b>	450 ppm ppm
<b>ATEmix (inhalation-vapor)</b>	Not available
<b>ATEmix (inhalation-dust/mist)</b>	Not available

### Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA Carcinogens	NTP
Tannic Acid	-	Group 3	-	-
2-Butoxyethanol	A3	Group 3	-	-
Ethylene oxide	A2	Group 1 Group 2A	Present	Known carcinogen

### Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Tannic Acid	-	-	-	-	-	-
2-Butoxyethanol	-	-	ACGIH A3	-	ACGIH A3	-
Ethylene oxide	A2 - Suspected Human Carcinogen	IARC 1 ACGIH A2	ACGIH A2	ACGIH A2	ACGIH A2	C2 carcinogen

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Toxic to aquatic life only in high concentrations, lethal concentrations not available

Chemical name	Algae/aquatic plants	Fish LC50
Tannic Acid	-	= 37mg/L Gambusia affinis 96h
2-Butoxyethanol	-	= 1490mg/L Lepomis macrochirus 96h = 2950mg/L Lepomis macrochirus 96h
Ethylene oxide	-	73 - 96mg/L Pimephales promelas 96h

**Persistence and degradability** Not readily biodegradable.

**Bioaccumulation** Does not bioaccumulate

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
Tannic Acid 1401-55-4	1401-55-4	-	-
2-Butoxyethanol 111-76-2	111-76-2	0.81 at 25 °C	-
Ethylene oxide 75-21-8	75-21-8	-0.3 at 25 °C	-

**Mobility in soil** This product is mobile in soil.

**Other adverse effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Disposal information** Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations. Do not dispose of waste into sewer.

**Contaminated packaging** Dispose of in accordance with local regulations.

## 14. TRANSPORTATION INFORMATION

### Shipping Descriptions

**DOT**  
ID-No Not Regulated

**TDG**  
ID-No Not Regulated

**IATA**  
ID-No Not Regulated

**IMDG/IMO**  
ID-No Not Regulated

**Marine Pollutants**

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Tannic Acid	1401-55-4	-	-	-
2-Butoxyethanol	111-76-2	-	-	-
Ethylene oxide	75-21-8	-	-	-

**Special Precautions**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**15. REGULATORY INFORMATION****State regulations**

**U.S. state Right-to-Know regulations** See information below

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Tannic Acid	1401-55-4	-	-	-
2-Butoxyethanol	111-76-2	X	X	X
Ethylene oxide	75-21-8	X	X	X

**California Prop. 65**

WARNING: This product contains a chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm

Chemical name	CAS-No	California Prop. 65
Tannic Acid	1401-55-4	-
2-Butoxyethanol	111-76-2	-
Ethylene oxide	75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive

**U.S. Federal Regulations****US EPA SARA 313**

See information below

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Tannic Acid	1401-55-4	-	-
2-Butoxyethanol	111-76-2	-	1.0 %
Ethylene oxide	75-21-8	10 lb 4.54 kg	0.1 %

**US EPA SARA 311/312  
hazardous categorization**

Not available

**TSCA and Canadian Inventories**

Chemical name	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification	DSL	NDSL
Tannic Acid	X	-	X	-
2-Butoxyethanol	X	-	X	-
Ethylene oxide	X	-	X	-

Legend X - Listed

**16. OTHER INFORMATION****NFPA**

Health	1
Flammability	0
Instability	0

**HMIS**

Health	1
Flammability	0
Physical hazards	0
Personal protection	B

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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**Revision note****Key to abbreviations**

ACGIH (American Conference of Governmental Industrial Hygienists)  
 ATE (Average Toxicity Estimate)  
 DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)  
 HMIS (Hazardous Materials Identification System)  
 IARC (International Agency for Research on Cancer)  
 IATA (International Air Transport Association)  
 IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)  
 NFPA (National Fire Protection Association)  
 NTP (National Toxicology Program)  
 OEL (Occupational Exposure Level)  
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
 PEL (Permissible Exposure Limit)  
 TSCA (Toxic Substances Control Act)  
 USEPA (United States Environmental Protection Agency)

**Disclaimer**

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and



suitable to their circumstances.

**End of Safety Data Sheet**