



## Safety Data Sheet

Material Name: E-Tec 515

SDS ID: EPI-0083c

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### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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**Material Name**

E-Tec 515

**Product Use**

Rust Preventive

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

Electrochemical Products Inc.

17000 West Lincoln Ave

New Berlin, WI 53151

Phone: 262-786-9330

Emergency Phone #: Chemtrec #800-424-9300 (CCN7498)

E-mail: us-sales@epi.com

www.epi.com

Fax: 262-786-9403

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### Section 2 - HAZARDS IDENTIFICATION

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

Acute Toxicity - Oral - Category 4

**GHS Label Elements**

**Symbol(s)**



**Signal Word**

Warning

**Hazard Statement(s)**

Harmful if swallowed

**Precautionary Statement(s)**

**Prevention**

Wash thoroughly after handling

Do not eat, drink or smoke when using this product

**Response**



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IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell  
Rinse mouth

### Storage

None needed according to classification criteria

### Disposal

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

### Statement of Unknown Toxicity

0% 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
Not Available	Napthenic Oil	69-71
29911-28-2	2-Propanol, 1-(2-butoxy-1-methylethoxy)-	6-8
111-46-6	Diethylene glycol	1.15

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## Section 4 - FIRST AID MEASURES

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### Inhalation

No special measures are necessary.

### Skin

Wash skin with soap and water.

### Eyes

Flush immediately with water for at least 15 minutes. Do not rub eyes. If irritation persists, get medical attention.

### Ingestion

Induction of vomiting not required. Small amounts which accidentally enter the mouth should be rinsed out until taste of it is gone. Get medical attention. Remove the affected person immediately to fresh air. Do not leave affected person unattended.

### Most Important Symptoms/Effects

#### Acute

None identified.

### Note to Physicians



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None identified.

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### Section 5 - FIRE FIGHTING MEASURES

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#### Extinguishing Media

##### Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

##### Special Hazards Arising from the Chemical

None identified.

##### Hazardous Combustion Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

##### Fire Fighting Measures

Fire-fighters should wear self-contained, NIOSH-approved breathing apparatus and full protective clothing.

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### Section 6 - ACCIDENTAL RELEASE MEASURES

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

Isolate area. Keep unnecessary personnel away. Take proper precautions to ensure your own health and safety before attempting spill control or clean-up. For more specific information, refer to the Emergency Overview on Page 1, Exposure Controls and Personal Protection in Section 8 and Disposal Considerations in Section 13 of this SDS.

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

Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Do not allow this material to drain into sewers/water supplies.

#### Environmental Precautions

Do not allow the spilled product to enter public drainage system or open water courses. Incinerate spent absorbent material in an approved incinerator.

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### Section 7 - HANDLING AND STORAGE

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#### Precautions for Safe Handling

Wash thoroughly after handling.

#### Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria

Store in a well-ventilated place. Keep container tightly closed.



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### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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#### Component Exposure Limits

ACGIH, NIOSH, EU, OSHA (US) and Mexico have not developed exposure limits for any of this product's components

#### Biological limit value

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

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

##### Eye/face protection

Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Chemical goggles should be worn during transfer operations or when there is a likelihood of misting, splashing, or spraying of this material. A suitable emergency eye wash water and safety shower should be located near the work station.

##### Skin Protection

Avoid skin contact. Wear rubber gloves, long sleeve shirt, trousers, safety shoes and rubber apron.

##### Respiratory Protection

Use NIOSH approved respirator appropriate for the vapor or mist at the point of use. Not normally needed unless product is heated or misted.

##### Glove Recommendations

Use chemical resistant impervious gloves.

##### Protective Materials

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations.

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### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Brown liquid	<b>Physical State</b>	Liquid
<b>Odor</b>	Odorless	<b>Color</b>	Amber
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	(Wide Range)
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	(Ethyl Ether = 1 - 1000x slower)
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available



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<b>Autoignition</b>	Not available	<b>Flash Point</b>	320 °F [closed cup] (160 °C)
<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>	(Nil @ 20°C)	<b>Specific Gravity (water=1)</b>	0.91 - 1
<b>Water Solubility</b>	Nil, but emulsifiable	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available		

### Section 10 - STABILITY AND REACTIVITY

#### Reactivity

Not expected to occur.

#### Chemical Stability

This is a stable material.

#### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

#### Conditions to Avoid

Keep away from heat, flame and other potential ignition sources. Keep away from strong oxidizing conditions and agents.

#### Incompatible Materials

Avoid contact with strong oxidizers.

#### Hazardous decomposition products

At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

#### Thermal decomposition products

Carbon monoxide, carbon dioxide and other hydrocarbon fragments.

### Section 11 - TOXICOLOGICAL INFORMATION

#### Acute and Chronic Toxicity



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### Component Analysis - LD50/LC50

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

2-Propanol, 1-(2-butoxy-1-methylethoxy)- (29911-28-2)

Oral LD50 Rat 1620 µL/kg

Inhalation LC50 Rat 42.1 ppm 4 h

Diethylene glycol (111-46-6)

Oral LD50 Rat 12565 mg/kg

Dermal LD50 Rabbit 11890 mg/kg

### Immediate Effects

No information on significant adverse effects.

### Delayed Effects

No information on significant adverse effects.

### Irritation/Corrosivity Data

No data available.

### Respiratory Sensitization

No data available.

### Dermal Sensitization

No data available.

### Component Carcinogenicity

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

### Germ Cell Mutagenicity

No data available.

### Tumorigenic Data

No data available

### Reproductive Toxicity

No data available.

### Specific Target Organ Toxicity - Single Exposure

No data available.

### Specific Target Organ Toxicity - Repeated Exposure

No data available.

### Aspiration hazard

No data available.

### Medical Conditions Aggravated by Exposure

No data available.

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## Section 12 - ECOLOGICAL INFORMATION

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### Ecotoxicity

None identified.

### Component Analysis - Aquatic Toxicity

Napthenic Oil	Not Available
Fish:	LC50 96 h Oncorhynchus mykiss >5000 mg/L
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L IUCLID
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	29911-28-2
Fish:	LC50 96 h Poecilia reticulata 841 mg/L [static]
Diethylene glycol	111-46-6
Fish:	LC50 96 h Pimephales promelas 75200 mg/L [flow-through]
Invertebrate:	EC50 48 h Daphnia magna 84000 mg/L IUCLID

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### Section 13 - DISPOSAL CONSIDERATIONS

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#### Disposal Methods

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Transport waste material to an authorized waste location, or incinerate under controlled conditions.

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### Section 14 - TRANSPORT INFORMATION

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#### US DOT Information:

No Classification assigned.

#### TDG Information:

No Classification assigned.

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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.



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## 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
Diethylene glycol	111-46-6	No	No	Yes	No	Yes

## Not listed under California Proposition 65

## Canada Regulations

This material is not a controlled product under Canadian WHMIS regulations.

## Component Analysis - Inventory

Napthenic Oil (Not Available)

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

2-Propanol, 1-(2-butoxy-1-methylethoxy)- (29911-28-2)

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

Diethylene glycol (111-46-6)

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

## Section 16 - OTHER INFORMATION

### HMIS Rating

Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### NFPA Ratings

Health: 1 Fire: 1 Reactivity: 0

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

### 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





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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.