Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
E-LAQ 525

Product Use
water based. Acrylic.

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

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Acute Toxicity - Dermal - Category 3

GHS Label Elements

Symbol(s)

Signal Word
Danger

Hazard Statement(s)
Toxic in contact with skin

Precautionary Statement(s)

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

Response
IF ON SKIN: Wash with plenty of soap and water
Take off immediately all contaminated clothing and wash it before reuse

Call a POISON CENTER or doctor if you feel unwell
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
0% of the mixture consists of ingredient(s) of unknown acute toxicity.

Other Hazards
Vapors may be irritating and cause eye discomfort and direct eye contact irritation could be severe. May be harmful in contact with skin. May be harmful if swallowed or if inhaled.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
7732-18-5	Water	50-55
111-76-2	2-Butoxyethanol	5-10
112-34-5	Diethylene glycol monobutyl ether	2-5
Trade Secret	Acrylic Copolymer	25-30

Section 4 - FIRST AID MEASURES

Inhalation
If inhaled, immediately remove the affected person to fresh air.

Skin
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.Take off contaminated clothing and wash before reuse.

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

Ingestion
If swallowed, give milk or water to dilute. Seek medical attention immediately. Never give anything by mouth to an unconscious person. Call a physician immediately.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media
Dry chemical, foam, carbon dioxide, water fog.

Unsuitable Extinguishing Media
None identified.

Special Hazards Arising from the Chemical
None identified.

Hazardous Combustion Products
Carbon monoxide and carbon dioxides.

Advice for firefighters
None identified.

Fire Fighting Measures
Use methods suitable to fight surrounding fire.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Wear protective gloves and eye/face protection.

Methods and Materials for Containment and Cleaning Up
Contain the spill. Mop up or squeegee into container or absorb with inert material.

Environmental Precautions
Do not allow to enter sewers or waterways.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling
Wash thoroughly after handling. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings on containers as if they were full.

Conditions for Safe Storage, Including any Incompatibilities
Store locked up
Keep containers closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible materials (see Section 10).

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

2-Butoxyethanol	111-76-2
ACGIH:	20 ppm TWA
NIOSH:	5 ppm TWA; 24 mg/m3 TWA
	Potential for dermal absorption
	700 ppm IDLH
Europe:	20 ppm TWA; 98 mg/m3 TWA
	50 ppm STEL; 246 mg/m3 STEL
OSHA (US):	50 ppm TWA; 240 mg/m3 TWA
	prevent or reduce skin absorption
Mexico:	26 ppm TWA LMPE-PPT; 120 mg/m3 TWA LMPE-PPT
	75 ppm STEL [LMPE-CT]; 360 mg/m3 STEL [LMPE-CT]
Diethylene glycol monobutyl ether	112-34-5
ACGIH:	10 ppm TWA inhalable fraction and vapor
Europe:	10 ppm TWA; 67.5 mg/m3 TWA
	15 ppm STEL; 101.2 mg/m3 STEL

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

Engineering Controls
Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Safety glasses. It is generally recognized that contact lenses should not be worn when working with chemicals because they may contribute to the severity of an eye injury.

Skin Protection
Wear rubber gloves, long sleeved shirt and trousers.

Respiratory Protection
Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

Glove Recommendations
Wear rubber gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Milky white Viscous liquid	**Physical State**	Liquid
Odor	Acrylic	**Color**	Milky white
Odor Threshold	Not available	**pH**	Not applicable
Melting Point	Not available	**Boiling Point**	212 °F
Freezing point	32 °F (0 °C)	**Evaporation Rate**	(Approx. equal to Water)
Boiling Point Range	Not available	**Flammability (solid, gas)**	Not available
Autoignition	Not available	**Flash Point**	Not available
Lower Explosive Limit	Not available	**Decomposition**	Not available
Upper Explosive Limit	Not available	**Vapor Pressure**	Not available
Vapor Density (air=1)	(Approx. equal to water)	**Specific Gravity (water=1)**	1.02 - 1.04
Water Solubility	Completely	**Partition coefficient: n-octanol/water**	Not available
Viscosity	Not available	**Solubility (Other)**	Not available
Density	Not available	**VOC**	0.92#/gallon

Section 10 - STABILITY AND REACTIVITY

Reactivity
No known hazardous reactions.

Chemical Stability
This is a stable material.

Possibility of Hazardous Reactions
None identified. Hazardous polymerization will not occur.

Conditions to Avoid
None identified.

Incompatible Materials
Strong oxidizing agents, acids.

Hazardous decomposition products
None identified. Carbon monoxide and carbon dioxides.

Thermal decomposition products
None identified.

Section 11 - TOXICOLOGICAL INFORMATION

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:
Water (7732-18-5)
Oral LD50 Rat >90 mL/kg
2-Butoxyethanol (111-76-2)
Oral LD50 Rat 470 mg/kg
Dermal LD50 Rabbit 99 mg/kg
Inhalation LC50 Rat 450 ppm 4 h
Diethylene glycol monobutyl ether (112-34-5)
Oral LD50 Rat 5660 mg/kg
Dermal LD50 Rabbit 2700 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

2-Butoxyethanol	111-76-2

ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC:	Monograph 88 [2006] (Group 3 (not classifiable))
DFG:	Category 4 (no significant contribution to human cancer)

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.

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

2-Butoxyethanol	111-76-2
Fish:	LC50 96 h Lepomis macrochirus 1490 mg/L [static]; LC50 96 h Lepomis macrochirus 2950 mg/L
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L EPA
Diethylene glycol monobutyl ether	112-34-5
Fish:	LC50 96 h Lepomis macrochirus 1300 mg/L [static]
Algae:	EC50 96 h Desmodesmus subspicatus >100 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna >100 mg/L IUCLID

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:
No Classification assigned.

TDG Information:
No Classification assigned.

Section 15 - REGULATORY INFORMATION

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.
All components are on the U.S. EPA TSCA Inventory List. Supplier(s) of proprietary component(s) have stated that their components appear on the Canadian DSL/NDSL.

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: yes **Chronic Health:** yes **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
2-Butoxyethanol	111-76-2	Yes	Yes	Yes	Yes	Yes

Not listed under California Proposition 65

Canada Regulations
This material is a controlled product under Canadian WHMIS regulations.

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

2-Butoxyethanol	111-76-2

	1 %
Diethylene glycol monobutyl ether	112-34-5
	1 %

Component Analysis - Inventory
Water (7732-18-5)

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-Butoxyethanol (111-76-2)

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 monobutyl ether (112-34-5)

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

Section 16 - OTHER INFORMATION

HMIS Rating

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

NFPA Ratings

Health: 1 Fire: 0 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 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.