

# TECH LINE Coatings

## SAFETY DATA SHEET

### Section 1 – Identification

**Product Identifier:** LiquiPowder Concentrate

**Part Number:** L20 – C

**Recommended Use:** Liquid Carrier for Powder Coating  
Must be diluted prior to use.

**Restrictions on Use:**

**Manufacturer / Supplier:**

Tech Line Coatings, Inc

26844 ADAMS AVE.

MURRIETA, CA 92562

USA

Phone 951-304-0834

Fax 951-461-9658

www.techlinecoatings.com

Keep out of reach of children.

Not recommended for use on Medical equipment.

Not recommended for use on Aviation equipment.

**Emergency Phone:** (Chemtrec) 1-800-424-9300

### Section 2 – Hazards Identification

**Signal Word:** Warning

**Symbols:**



Hazard Statements:	GHS Classification:	Category
Harmful if swallowed	Acute Toxicity Oral	4
Causes skin irritation	Skin Corrosion / Irritation	2
Causes Serious Eye Irritation	Eye Irritation	2A

**Precautionary Statements:**

Wear eye and face protection, wear protective gloves. Wash hands, face and skin thoroughly after handling. Do not eat, drink or smoke when using this product.

If swallowed: Call a poison center / doctor if you feel unwell. Rinse mouth.

If on skin: Wash with plenty of water. If skin irritation occurs: get medical advice / attention. Take off contaminated clothing and wash it before reuse.

If in eyes: Rinse cautiously in water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advise / attention.

Dispose of contents / containers in accordance with local regulations. (See Section 13)

### Section 3 – Composition / Information On Ingredients

Component Name	Common Name / Synonyms	CAS#	% of Weight
1-Methyl-2-pyrrolidone	NMP	872-50-4	< 2%
1-Methoxy-2-propanol acetate		108-65-6	< 1%
1,2-Propanediol		57-55-6	< 1%
1-Methoxy-2-propanol		107-98-2	< 1%
Sodium Nitrate		7632-00-0	< 1%
Benzotriazole		95-14-7	< 1%

Lithium chloride

7447-41-8 < 0.1%

Other ingredients are not hazardous based on OSHA standard Section 29 CFR 1910.1200

**Section 4 – First Aid Measures**

**General Advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash with plenty of water. If skin irritation occurs: get medical advice / attention. Take off contaminated clothing and wash it before reuse.

**In case of eye contact**

Rinse cautiously in water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advise / attention.

**If swallowed**

Call a poison center / doctor if you feel unwell. Rinse mouth.

**Section 5 – Fire Fighting Measures**

<b>Extinguishing Media:</b> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	<b>Special Fire Fighting Procedures:</b> Wear self contained breathing apparatus for fire fighting if necessary.
<b>Unusual Fire And Explosion Hazards:</b> Hazardous decomposition products formed under extreme fire conditions. - Carbon and other oxides	<b>Additional Information:</b> Use water spray to cool unopened containers.

**Section 6 – Accidental Release Measures**

**Methods for Containment and Clean Up**

- Keep in suitable, marked and closed containers for disposal.
- Pump into salvage tanks and/or absorb with suitable material.
- Warn other workers of spill. Floor will be slippery.
- Wear protective equipment
  - Gloves
  - Safety Glasses
- Do not allow material to be released into the environment.
- Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information
- See Section 13 for disposal information

**Section 7 – Handling And Storage**

**Handling:**

Avoid contact with skin and eyes. Use with adequate ventilation to maintain exposure levels below established exposure limits. Wear personal protective equipment.

**Storage:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Section 8 – Exposure Controls And Personal Protection**

Component	ACGIH TLV	OSHA PEL	USA WEEL	NIOSH REL
NMP	No Data Available	No Data Available	TWA 10 ppm	No Data Available
1-Methoxy-2-propanol	No Data Available	No Data Available	TWA 50 ppm	No Data Available

acetate				
1,2-Propanediol	No Data Available	No Data Available	TWA 10 mg/m3	No Data Available
1-Methoxy-2-propanol	TWA 100 ppm	TWA 100 ppm	No Data Available	TWA 100 ppm
Sodium Nitrate	No Data Available	No Data Available	No Data Available	No Data Available
Benzotriazole	No Data Available	No Data Available	No Data Available	No Data Available
Lithium chloride	No Data Available	No Data Available	No Data Available	No Data Available

**Engineering Controls:** Showers  
Eyewash stations

**Respiratory Protection:** Use in a well-ventilated area. Use NIOSH Approved Respirator when risk assessment shows air – purifying respirators are appropriate. Use multipurpose combination respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

**Protective Gloves:** Chemical Resistant

**Eye Protection:** Safety Glasses With Side Shields Or Goggles

**Other Protective Equipment:** Wear Protective Clothing, Chemical Resistant Or Other Protective Outerwear, Avoid Contact With Skin Or Eyes.

**Ventilation:** Local Exhaust: Use To Maintain Below TWA Limits

**Mechanical:** No Data Available

**Work / Hygienic Practices:** wash thoroughly after handling product and before eating, drinking or smoking

### Section 9 – Physical And Chemical Properties

Form :	liquid
Color :	clear
Odor :	Not established
Odor Threshold:	Not Established
pH :	Not Established
Melting point/range :	Not Established
Initial boiling point :	Not Established
Flash point :	> 200° F.
Evaporation Rate:	Not Established
Upper/lower flammability or explosive limits:	Not Established
Vapor pressure	Not Established
Vapor density	Not Established
Relative density	Not Established
Solubility(ies)	Water: 100%
Partition coefficient: n-octanol/water	Not Established
Auto-ignition temperature	Not Established
Decomposition temperature	Not Established
Viscosity	Not Established
Total VOC	< 10 g/l

### Section 10 – Stability And Reactivity

**Stability:** STABLE

**Materials to avoid:** Strong oxidizing agents

**Hazardous Polymerization:** Will not occur.

**Conditions to avoid:** Not established

**Hazardous Decomposition Products:** Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon and other oxides

**Section 11 – Toxicological Information**

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**Acute Toxicity**

NMP	Oral LD50	LD50 Oral - rat - 3,914 mg/kg
	Inhalation LC50	LDLO Inhalation - rat - 4 h - > 5100 ppm
	Dermal LD50	LD50 Dermal - rabbit - 8,000 mg/kg
1-Methoxy-2-propanol acetate	Oral LD50	LD50 Oral - rat - 8,532 mg/kg
	Inhalation LC50	no data available
	Dermal LD50	LD50 Dermal - rabbit - > 5,000 mg/kg
1,2-Propanediol	Oral LD50	LD50 Oral - rat - 20,000 mg/kg
	Inhalation LC50	no data available
	Dermal LD50	LD50 Dermal - rabbit - 20,800 mg/kg
		LD50 Intramuscular - rat - 14 g/kg
		LD50 Intravenous - dog - 26 g/kg
		LD50 Intraperitoneal - rat - 6,660 mg/kg
		LD50 Subcutaneous - rat - 22,500 mg/kg
		LD50 Intravenous - rat - 6,423 mg/kg
		LD50 Intraperitoneal - mouse - 9,718 mg/kg
	Other Information	Remarks: Lungs, Thorax, or Respiration:Chronic pulmonary edema. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli. Blood:Changes in spleen. LD50 Subcutaneous - mouse - 17,370 mg/kg
		Remarks: Behavioral:Change in motor activity (specific assay). Behavioral:Muscle contraction or spasticity. Cyanosis
		LD50 Intravenous - mouse - 6,630 mg/kg
		LD50 Intravenous - rabbit - 6,500 mg/kg
1-Methoxy-2-propanol	Oral LD50	LD50 Oral - mouse - 11,700 mg/kg
		Remarks: Behavioral:Convulsions or effect on seizure threshold. Behavioral:Ataxia. Lungs, Thorax, or Respiration:Dyspnea.
	Inhalation LC50	LC50 Inhalation - rat - 5 h - 10000 ppm
	Dermal LD50	LD50 Dermal - rabbit - 13,000 mg/kg
Sodium Nitrate		LD50 Oral - rat - 157.9 mg/kg
	Oral LD50	LD50 Oral - mouse - 175 mg/kg
		Remarks: Vascular:BP lowering not characterized in autonomic section. Vascular:Regional or general arteriolar or venous dilation.
	Inhalation LC50	no data available
	Dermal LD50	no data available
Benzotriazole	Oral LD50	LD50 Oral - rat - 560 mg/kg

	Inhalation LC50	LC50 Inhalation - rat - 4 h - 1.4 mg/l
	Dermal LD50	LD50 Dermal - rat - > 1,000 mg/kg
Lithium chloride	Oral LD50	LD50 Oral - rat - 526 mg/kg
	Inhalation LC50	no data available
	Dermal LD50	no data available

### Skin Corrosion/Irritation

No data available

### Serious Eye Damage/Eye Irritation

Sodium Nitrate

Eyes - rabbit - Moderate eye irritation - 24 h - OECD Test Guideline 405

1-Methoxy-2-propanol

Eyes - rabbit - Mild eye irritation - 24 h

### Respiratory Or Skin Sensitization

No data available

### Germ Cell Mutagenicity

Benzotriazole

Genotoxicity in vitro - rat – Embryo Morphological transformation.

### Carcinogenicity

Benzotriazole

Carcinogenicity - rat - Oral

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Brain and Coverings: Tumors.

Carcinogenicity - mouse - Oral

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. Lungs, Thorax, or Respiration: Bronchiogenic carcinoma.

IARC: 2A - Group 2A: Probably carcinogenic to humans (Sodium nitrite)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

This product contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

### Reproductive Toxicity

No data available

### Specific Target Organ Toxicity Single Exposure

1-Methoxy-2-propanol

May cause drowsiness or dizziness.

NMP

Inhalation - May cause respiratory irritation.

### Specific Target Organ Toxicity Repeated Or Prolonged Exposure

NMP

prolonged or repeated exposure can cause: Vomiting, Diarrhoea, Abdominal pain, Rats exposed to 1-methyl-2-pyrrolidinone at a concentration of 1 mg/L as an aerosol for 10 days showed depletion of hematopoietic cells in the bone marrow and atrophy of the lymphoid tissues of the thymus, spleen, and lymph nodes.

**Aspiration Hazard**

No data available

**Potential Health Effects**

Inhalation	No data available
Ingestion	Harmful if swallowed.
Skin	Causes skin irritation
Eyes	Causes serious eye irritation.

**Section 12 – Ecological Information**

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**General Comments:**

Do not allow material to be released into the environment without proper governmental permits

**Environmental Toxicity:**

NMP	Toxicity to fish	LC50 - other fish - 4,000 mg/l - 96 h LC50 - Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h
	Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - > 1,000 mg/l - 24 h
	Toxicity to bacteria	LC50 - Bacteria - > 9,000 mg/l
1-Methoxy-2-propanol acetate	Toxicity to fish	mortality LC50 - Salmo gairdneri - 100 - 180 mg/l - 96 h Method: OECD Test Guideline 203
	Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - > 500 mg/l - 48 h Method: Tested according to Annex V of Directive 67/548/EEC.
1,2-Propanediol	Toxicity to fish	Harmful to aquatic life. mortality NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h
	Toxicity to daphnia and other aquatic invertebrates	mortality NOEC - Daphnia - 13,020 mg/l - 48 h
1-Methoxy-2-propanol	Toxicity to fish	No data available
	Toxicity to daphnia and other aquatic invertebrates	No data available
Sodium Nitrate	Toxicity to fish	flow-through test LC50 - Oncorhynchus mykiss (rainbow trout) - 0.94 - 1.92 mg/l - 96.0 h mortality NOEC - Oncorhynchus mykiss (rainbow trout) - 0.54 mg/l - 96.0 h

Toxicity to  
daphnia and other  
aquatic  
invertebrates

EC50 - Daphnia magna (Water flea) - 12.5 mg/l - 48 h

Very toxic to aquatic life.

Benzotriazole Toxicity to fish

LC50 - Lepomis macrochirus (Bluegill) - 25 mg/l - 96.0 h

Toxicity to  
daphnia and other  
aquatic  
invertebrates

EC50 - Daphnia magna (Water flea) - 91 mg/l - 48 h

Harmful to aquatic life with long lasting effects.

Lithium chloride Toxicity to fish

LC50 - Ptychocheilus lucius - 17 mg/l - 96 h

Toxicity to  
daphnia and other  
aquatic  
invertebrates

EC50 - Daphnia magna (Water flea) - 1.2 mg/l - 64 h

Harmful to aquatic life.

### Section 13 – Disposal Considerations

#### **Waste Disposal Method:**

Product :

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

#### **Contaminated Packaging**

Dispose of as unused product.

### Section 14 – Transportation Information

**Hazardous for Shipping:** No

### Section 15 – Regulations

**TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:** All hazardous ingredients are on the TSCA Chemical Substance Inventory.

Component	SARA 302	SARA 311 / 312	SARA 313	Massachusetts RTK	Pennsylvania RTK	New Jersey RTK	California Prop 65 list
NMP	No	Yes	Yes	Yes	Yes	Yes	Yes
1-Methoxy-2-propanol acetate	No	Yes	No	No	Yes	Yes	No
1,2-Propanediol	No	No	No	No	Yes	Yes	No
1-Methoxy-2-propanol	No	Yes	No	Yes	Yes	Yes	No
Sodium Nitrate	No	Yes	Yes	Yes	Yes	Yes	No
Benzotriazole	No	Yes	No	Yes	Yes	Yes	No
Lithium chloride	No	Yes	No	No	Yes	Yes	No

**SARA 311 / 312 Hazards:**

Component	Hazards
NMP	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
1-Methoxy-2-propanol acetate	Fire Hazard, Chronic Health Hazard
1,2-Propanediol	No SARA Hazards
1-Methoxy-2-propanol	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
Sodium Nitrate	Reactivity Hazard, Acute Health Hazard, Chronic Health Hazard
Benzotriazole	Acute Health Hazard
Lithium chloride	Acute Health Hazard, Chronic Health Hazard

**Section 16 – Other Information****Date Prepared:** 10/21/2013

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