

Section 1 – Identification

Product Identifier: Liquid 2 Powder

Part Number: L20 – B

Recommended Use: Liquid Carrier for Powder Coating
Ready for use with powder.

Restrictions on Use:

Manufacturer / Supplier:

Keep out of reach of children.

Cool Tools

Not recommended for use on Medical equipment.

945 N Parkway St.

Not recommended for use on Aviation equipment.

Jefferson, WI 53549

USA

Phone/Fax 1-888-478-5060

Emergency Phone: N. America +1-800-535-5053

www.cooltools.us

Intl. +1-352-323-3500

Section 2 – Hazards Identification

Signal Word: Warning

Symbols:



Hazard Statements:

Harmful if swallowed

Causes skin irritation

Causes Serious Eye Irritation

GHS Classification:

Category

Acute Toxicity Oral 4

Skin Corrosion / Irritation 2

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	< 0.5%
1-Methoxy-2-propanol acetate		108-65-6	< 0.5%
1,2-Propanediol		57-55-6	< 0.5%
1-Methoxy-2-propanol		107-98-2	< 0.5%
Sodium Nitrate		7632-00-0	< 0.5%
Benzotriazole		95-14-7	< 0.5%
Lithium chloride		7447-41-8	< 0.05%

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

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	Special Fire Fighting Procedures: Wear self contained breathing apparatus for fire fighting if necessary.
Unusual Fire And Explosion Hazards: Hazardous decomposition products formed under extreme fire conditions. - Carbon and other oxides	Additional Information: 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 acetate	No Data Available	No Data Available	TWA 50 ppm	No Data Available
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

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
Other Information		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
		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
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
Sodium Nitrate	Dermal LD50	LD50 Dermal - rabbit - 13,000 mg/kg
		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**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

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