

SAFETY DATA SHEET


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1. IDENTIFICATION

Product Name	EZ Powder Strip
Product Type	Liquid Stripper
Product #	EZPS
Supplier	Columbia Coatings 1173 Industrial Park Rd Columbia, TN 38401
Contact	(931) 388-7730 Phone (931) 388-5573 Fax

2. HAZARD IDENTIFICATION

*Information pertaining to particular danger for man and environment. <i>-Harmful by inhalation and/or if swallowed.</i>	
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*Classification System <i>-Classification was made according to the latest editions of international substances lists, and expanded upon from company literature data.</i> Flammable liquids (Category 3) Acute toxicity, Oral (Category 3) Acute toxicity, Inhalation (Category 3) Acute toxicity, Dermal (Category 3) Skin corrosion (Category 1A) Serious eye damage (Category 1) Reproductive toxicity (Category 1B) Specific target organ toxicity - single exposure (Category 3), Respiratory system Specific target organ toxicity - single exposure (Category 1) Flammable liquid and vapor Toxic if swallowed. Toxic if inhaled. Toxic in contact with skin Causes serious eye damage. Causes severe skin burns and eye damage. May damage fertility or the unborn child. May cause respiratory irritation Causes damage to organs.
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Do not breathe mist/vapors/spray. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces - no smoking. Keep container tightly closed. Obtain special instructions before use. Take precautionary measure against static discharge. Use only non - sparking tools. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Response: Call a poison center/doctor if you feel unwell. If exposed or concerned: Get medical advice/ attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with plenty of water shower. Immediately call a poison center/doctor. If swallowed: Immediately call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. In case of fire: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide to extinguish. Take off immediately all contaminated clothing and wash it before reuse. Storage: Store in a well - ventilated place. Keep cool. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local, regional, national and international regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Case#	TWA-OSHA	STEL-OSHA	TLV-ACGIH	STEL-ACGIH	CONCENTRATE %
N-Methyl-2-Pyrrolidone	872-50-4	n/a	n/a	n/a	n/a	30 – 70
Monoethanolamine	141-43-5	3 ppm	6 ppm	3 ppm	6 ppm	10 – 30
Potassium Hydroxide	1310-58-3	n/a	n/a	2 mg/m ³	n/a	1 – 20
Methanol	67-56-1	200 ppm	n/a	200 ppm	250 ppm	10 – 30

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 off with soap and plenty of water. Take victim immediately to hospital. Consult a physician

***In Case Of Eye Contact**

-Flush eyes with water as a precaution.

***If Swallowed**

-Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indications of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

***Extinguishing Media**

-Use water spray, alcohol - resistant foam, dry chemical or carbon dioxide.

***Special Hazards**

-Carbon Oxides.

***Advice For Fire-Fighters**

-Wear self - contained breathing apparatus for firefighting if necessary.

***Further Information**

-Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

***Personal precautions, protective equipment, and emergency procedures**

-Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

***Measure for Environmental Protection**

-Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

***Measure for Cleaning and Collecting**

- Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet - brushing and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE

***Information For Safe Handling**

-Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion - proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.

***Information For Safe Storage**

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

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Hazardous Components	Case#	TWA-OSHA	STEL-OSHA	TLV-ACGIH	STEL-ACGIH	CONCENTRATE %
N-Methyl-2-Pyrrolidone	872-50-4	n/a	n/a	n/a	n/a	30 – 70
Monoethanolamine	141-43-5	3 ppm	6 ppm	3 ppm	6 ppm	10 – 30
Potassium Hydroxide	1310-58-3	n/a	n/a	2 mg/m ³	n/a	1 – 20
Methanol	67-56-1	200 ppm	n/a	200 ppm	250 ppm	10 – 30

***Engineering Control**

-Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

***Eye/Face Protection**

-Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

***Skin Protection**

- Handle with butyl rubber gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

***Body Protection**

-Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

***Respiratory Protection**

-Where risk assessment shows air - purifying respirators are appropriate use a full - face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full - face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

***Control Of Environmental Exposure**

-Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical & Chemical Properties	
Appearance:	Liquid
Odor:	Pungent
Odor Threshold:	n/a
pH:	n/a
Melting/Freezing Point:	-144°F (-98°C)
Initial Boiling Point Range:	148.5°F (64.7°C)
Flash Point:	95°F (35°C) (Closed Cup)
Evaporation Rate:	n/a
Flammability:	n/a
Upper Explosion Limit:	36%
Lower Explosion Limit:	6%
Vapor Pressure:	130.3 hPa (97.7 mmHg) at 68°F (20°C), 546.6 hPa (410 mmHg) at 122°F (50°C), 169.27 hPa (126.96 mmHg) at 77°F (25°C)
Vapor Density:	1.11
Relative Density:	0.791 g/mL at 77°F (25°C)
Water Solubility:	Completely Miscible
Partition Coefficient:	log Pow: - 0.77
Auto Ignition Temperature:	851°F (455°C) at 1,013 hPa (760 mmHg)
Decomposition Temperature:	n/a
Viscosity:	n/a

10. STABILITY AND REACTIVITY

*Reactivity -N/A
*Chemical Stability -Stable under recommended storage conditions.
*Possibility of Hazardous Reactions -Vapors may form explosive mixture with air.
*Conditions to Avoid -Heat, flames and sparks.
*Incompatible Materials -Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
*Hazardous Decomposition Products -N/A

11. TOXICOLOGICAL INFORMATION

Name: N-Methyl-2-Pyrrolidone CAS: 872-50-4 LD50 Oral - Rat - 3,914 mg/kg LDLO Inhalation - Rat - 4 h - > 5100 ppm LD50 Dermal - Rabbit - 8,000 mg/kg	
Skin Corrosion/Irritation	n/a
Serious Eye Damage/Eye Irritation	Result: Eye irritation
Respiratory or Skin Sensitization	n/a
Germ Cell Mutagenicity	n/a
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, ACGIH, or OSHA
Reproductive	Damage to fetus possible
Additional Information	Inhalation - May cause respiratory irritation.

Name: Monoethanolamine CAS: 141-43-5 LD50 Oral - Rat - 1,720 mg/kg LDLO Inhalation - Rat - N/A LD50 Dermal - Rabbit - 1,015 mg/kg	
Skin Corrosion/Irritation	n/a
Serious Eye Damage/Eye Irritation	Result: Severe eye irritation
Respiratory or Skin Sensitization	n/a
Germ Cell Mutagenicity	n/a
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	n/a
Additional Information	Liver - Irregularities - Based on Human Evidence

Name: Potassium Hydroxide	
CAS: 1310-58-3	
Oral: n/a	
Inhalation: n/a	
Dermal: n/a	
Skin Corrosion/Irritation	n/a
Serious Eye Damage/Eye Irritation	n/a
Respiratory or Skin Sensitization	n/a
Germ Cell Mutagenicity	n/a
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	n/a
Additional Information	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, and Nausea.

Name: Methanol	
CAS: 67-56-1	
LDLO Oral - Human - 143 mg/kg, LD50 Oral - Rat - 1,187 - 2,769 mg/kg	
LC50 Inhalation - Rat - 4 h - 128.2 mg/l, LC50 Inhalation - Rat - 6 h - 87.6 mg/l	
LD50 Dermal - Rabbit - 17,100 mg/kg	
Skin Corrosion/Irritation	Result: No skin irritation
Serious Eye Damage/Eye Irritation	Result: No eye irritation
Respiratory or Skin Sensitization	Does not cause sensitization
Germ Cell Mutagenicity	Result: negative
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	n/a
Additional Information	Methyl alcohol may be fatal or cause blindness if swallowed. Effects due to ingestion may include: Headache, Dizziness, Drowsiness, metabolic acidosis, Coma, Seizures. Symptoms may be delayed., Damage of the: Liver, Kidney

12. ECOLOGICAL INFORMATION

Name	CAS	Toxicity
N - Methyl - 2 - Pyrrolidone	872-50-4	LC50 - other fish - 4,000 mg/l - 96h LC50 - Leuciscus idus (Golden orfe) - > 500 mg/l - 96h EC50 - Daphnia magna (Water flea) - > 1,000 mg/l - 24h Toxicity to bacteria LC50 - Bacteria - > 9,000 mg/l
Monoethanolamine	141-43-5	EC50 - Desmodesmus subspicatus (green algae) - 15 mg/l - 72h EC50 - Daphnia magna (Water flea) - 65 mg/l - 48h LC50 - Pimephales promelas (fathead minnow) - 227 mg/l - 96h
Potassium Hydroxide	1310-58-3	n/a
Methanol	67-56-1	Mortality LC50 - Lepomis macrochirus (Bluegill) - 15,400 mg/l - 96h, NOEC - Oryzias latipes - 7,900 mg/l - 200h, EC50 - Daphnia magna (Water flea) -> 10,000 mg/l - 48h, Growth inhibition EC50 - Scenedesmus capricornutum (freshwater algae) - 22,000 mg/l - 96h
Product is 94% Readily Biodegradable, 1% Biodegradable, and remaining 5% inorganic		

13. DISPOSAL CONSIDERATIONS

*Disposal

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

14. TRANSPORTATION INFORMATION

Proper Shipping Name: Flammable Liquids, Corrosive, n.o.s. (Methanol, Potassium Hydroxide)

Hazard Class: 3, (8)

Identification Number: UN2924

Packing Group: III

Label: Flammable, Corrosive

15. REGULATIONS

Name: N-Methyl-2-Pyrrolidone

CAS: 872-50-4

SARA 302/304: No components were identified

SARA 313: 313

CERCLA: No components were identified

SARA 311/312: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

PROP 65: Developmental hazard

**This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory*

Name: Monoethanolamine

CAS: 141-43-5

SARA 302/304: No components were identified

SARA 313: No components were identified

CERCLA: No components were identified

SARA 311/312: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

PROP 65: No components were identified

**This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory*

Name: Potassium Hydroxide

CAS: 1310-58-3

SARA 302/304: No components were identified

SARA 313: No components were identified

CERCLA: RQ = 1,000 lbs.

SARA 311/312: Acute Health Hazard, Chronic Health Hazard

PROP 65: No components were identified

**This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory*

Name: Methanol

CAS: 67-56-1

SARA 302/304: No components were identified

SARA 313: 313

CERCLA: RQ = 5,000 lbs.

SARA 311/312: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

PROP 65: Developmental hazard

**This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory*

16. OTHER INFORMATION

THIS INFORMATION IS BASED ON OUR PRESENT KNOWLEDGE. HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE FOR ANY SPECIFIC PRODUCT FEATURES AND SHALL NOT ESTABLISH A LEGALLY VALID CONTRACTUAL RELATIONSHIP.

Disclaimer:

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