

Material Safety Data Sheet

ECOBOND® LBP

SECTION 1 – PRODUCT AND COMPANY ID

Product Number: ECOLBP1

HMIS Codes:

Health: 1
Flammability: 0
Reactivity: 0

Manufacturers' Name:

MT2
14045 West 66th Avenue
Arvada, CO 80004

Emergency Phone Number: (888)435-6645

Product Name: ECOBOND® LBP latex flat paint, white

Information Phone Number: (888)435-6645

Date of Preparation: 02/01/02

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

% BY WT	CAS NO.	INGREDIENT	UNITS
7	14808-60-7	<i>Quartz</i>	
		ACGIH TLV	0.05 mg/m3 as Resp. Dust
		OSHA PEL	0.1 mg/m3 as Resp. Dust
4	14464-46-1	<i>Cristobalite</i>	
		ACGIH TLV	0.05 mg/m3 as Resp. Dust
		OSHA PEL	0.05 mg/m3 as Resp. Dust
17	1332-58-7	<i>Kaolin</i>	
		ACGIH TLV	2 mg/m3 as Resp. Dust
		OSHA PEL	10 mg/m3 Total Dust
		OSHA PEL	5 mg/m3 Respirable Fraction
7	13463-67-7	<i>Titanium Dioxide</i>	
		ACGIH TLV	10 mg/m3 as Dust
		OSHA PEL	10 mg/m3 Total Dust
		OSHA PEL	5 mg/m3 Respirable Fraction

SECTION 3 – HAZARDS IDENTIFICATION

Routes of Exposure: Exposure may be inhalation or and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

Effects of Overexposure: Irritation of eyes, skin, and upper respiratory system. In a confined area vapors in high concentration may cause headache, nausea or dizziness.

Signs and Symptoms of Overexposure: Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Medical Conditions Aggravated by Exposure: None generally recognized

Cancer Information: For complete discussion of toxicology data refer to Section 11.

SECTION 4 – FIRST AID MEASURES

If inhaled: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on skin: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder for reuse.

If in eyes: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If swallowed: Do not induce vomiting. Get medical attention.



MT2, LLC. (Metals Treatment Technologies)
14045 W. 66th Ave., Arvada, CO 80004
(888) 435-6645



SECTION 5 – FIRE FIGHTING MEASURES

Flash point: LEL: N/A UEL: N/A

Flammability Classification: N/A

Extinguishing Media: Carbon Dioxide, Dry Chemical, Alcohol Foam

Unusual Fire and Explosion Hazards: Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

Special Fire Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material is Released or Spilled: Remove all sources of ignition. Ventilate and remove with inert absorbent.

SECTION 7 – HANDLING AND STORAGE

Storage Category: N/A

Precautions To Be Taken In Handling and Storage: Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of reach of children.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautions to be Taken in Use: Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using. This coating may contain materials classified as nuisance particulates (listed as “Dust” in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ respirable fraction.

Ventilation: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Respiratory Protection: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

Protective Gloves: Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

Eye Protection: Wear safety spectacles with unperforated sideshields.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Product Weight	11.50 lb/gal	1378 g/l
Specific Gravity	1.4	
Boiling Point	212-477° F	100-247° C
Melting Point	Not Available	
Volatile Volume	58%	
Evaporation Rate	Slower than ether	
Vapor Density	Heavier than air	
Solubility in Water	N/A	
pH	9.5	
Volatile Organic Compounds	(VOC Theoretical)	
0.70 lb/gal	95 g/l	Less Federally Exempt Solvents
0.36 lg/gal	43 g/l	Emitted VOC

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Hazardous Decomposition Products

By fire: Carbon Dioxide, Carbon Monoxide

Conditions to Avoid: None known

Hazardous Polymerization: Will not occur

Incompatibility: None known

SECTION 11 – TOXICOLOGICAL INFORMATION

Chronic Health Hazards: Crystalline Silica Quartz, Cristobalite is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer. Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems. Rate exposed to titanium dioxide dust at 250 mg/m³ developed lung cancer, however, such exposure levels are not attainable in the workplace.

Toxicology Data

CAS No.	Ingredient Name			
107-21-1	<i>Ethylene Glycol</i>	LC50 RAT	4HR	Not Available
		LD50 RAT	4HR	4700 mg/kg
1317-95-9	<i>Tripoli (Quartz)</i>	LC50 RAT	4HR	Not Available
		LD50 RAT	4HR	Not Available
14807-96-6	Talc	LC50 RAT	4HR	Not Available
		LD50 RAT	4HR	Not Available
471-34-1	Calcium Carbonate	LC50 RAT	4HR	Not Available
		LD50 RAT	4HR	Not Available
13463-67-7	Titanium Dioxide	LC50 RAT	4HR	Not Available
		LD50 RAT	4HR	Not Available

SECTION 12 – ECOLOGICAL INFORMATION

Ecological Information: No Data Available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method: Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 – TRANSPORT INFORMATION

No Data Available

SECTION 15 – REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) Supplier Information

CAS No.	Chemical/Compound	% by Weight	% Element
107-21-1	Ethylene Glycol	2	---

California Proposition 65

Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Certification

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 – OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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