

**M A T E R I A L   S A F E T Y   D A T A   S H E E T**

**PRODUCT NAME: 1K Self-Etching Primer**  
**PRODUCT CODE: 8130**

**Section 1 - Chemical Product and Company Identification**

**MANUFACTURER'S NAME:**  
 Cumberland Products Incorporated

**ADDRESS:**  
 50 Commerce Parkway  
 Hodgenville, KY 42746

EMERGENCY PHONE : (800) 424 - 9300  
 INFORMATION PHONE : (800) 223 - 1918  
 FAX NUMBER : (800) 500 - 9812

DATE PRINTED: 6/7/2006

**Section 2 - Composition / Information on Ingredients**

Ingredient Name	CAS Number	% wt or % vol
Propane	74-98-6	11
Butane	106-97-8	11
Toluene	108-88-3	8
Acetone	67-64-1	34
Methyl Ethyl Ketone	78-93-3	2
Methyl Isobutyl Ketone	108-10-1	7
Ethyl 3-Ethoxypropionate	763-69-9	2
n-Butyl Acetate	123-86-4	1
Isobutyl Acetate	110-19-0	5
Talc	14807-96-6	6
Titanium Dioxide	13463-67-7	3

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Propane	1000 ppm	none estab	2500 ppm	none estab	none estab	none estab	none estab
Butane	800 ppm	none estab.	800 ppm	none estab.	none estab.	none estab.	none estab.
Toluene	100 ppm (skin)	150 ppm (skin)	50 ppm (skin)	none estab	none estab	none estab.	none estab.
Acetone	1000 ppm	none estab	500 ppm	750 ppm	none estab	none estab	none estab
Methyl Ethyl Ketone	200 ppm	300 ppm	200 ppm	300 ppm	none estab	none estab	none estab
Methyl Isobutyl Ketone	50 ppm	75 ppm	50 ppm	75 ppm	none estab	none estab	none estab
Ethyl 3-Ethoxypropionate	none estab	none estab	none estab	none estab	none estab	none estab	none estab
n-Butyl Acetate	150 ppm	200 ppm	150 ppm	200 ppm	none estab	none estab	none estab
Isobutyl Acetate	150 ppm	none estab	150 ppm	none estab	none estab	none estab	none estab
Talc	2 mg/m3 as Resp. Dust	none estab	2 mg/m3 as Resp. Dust	none estab	none estab	none estab	none estab
Titanium Dioxide	10 mg/m3 Total Dust	5 mg/m3 Resp. Dust	10 mg/m3 as Dust	none estab	none estab	none estab	none estab

**PRODUCT NAME: 1K Self-Etching Primer**

**PRODUCT CODE: 8130**

**Section 3 - Hazards Identification**

**☆☆☆☆☆ Emergency Overview ☆☆☆☆☆**

Vapors irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion.

<b>HMIS</b>	
<b>H</b>	2
<b>F</b>	4
<b>R</b>	0
<b>PPE</b> F	
See Sect. 8	

**Potential Health Effects**

**Primary Entry Routes:** Skin Absorption, Inhalation, Ingestion, Eye Contact

**Target Organs:** Nervous System Damage, Lung Damage, Kidney Damage

**Effects of Overexposure:** Note: Effects of contact or inhalation may be delayed

**Inhalation:** Irritation of the upper respiratory system. Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Prolonged inhalation may be harmful.

**Eye:** Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

**Skin:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Ingestion:** This material may be harmful or fatal if swallowed. Corrosive and may cause severe and permanent damage to mouth, throat and stomach.

**Carcinogenicity:** IARC, NTP, and OSHA do not list this product as a carcinogen.

**Chronic Effects:** Overexposure may cause nervous system damage. Overexposure may cause lung damage. Overexposure may cause kidney damage.

**Section 4 - First Aid Measures**

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

**Eye Contact:** Immediately flush eyes with plenty of water for 15 minutes. Get medical attention, if irritation persists.

**Skin Contact:** Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

**Ingestion:** Get medical attention immediately. If swallowed, do not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Section 5 - Fire-Fighting Measures**

**Flash Point:** 0 °F

**Flash Point Method:** Pensky-Martens CC

**Burning Rate:** NE

**Auto ignition Temperature:** ND

**LEL:** 1.0 % v/v

**UEL:** 12.8 % v/v

**Extinguishing Media:** CO2, Dry Chemical, Foam, Water Fog

**Unusual Fire or Explosion Hazards:** Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

**Section 6 - Accidental Release Measures**

**Spill /Leak Procedures:** Absorb with inert material (e.g. dry sand or earth), then place in a chemical waste container. Remove all sources of ignition. Ventilate the area.

**Containment:** For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

**PRODUCT NAME: 1K Self-Etching Primer**

**PRODUCT CODE: 8130**

Page 3 of 5

### Section 7 - Handling and Storage

**Handling Precautions:** Wash thoroughly after handling.

**Storage Requirements:** Keep away from heat, sparks and flame. Vapors will accumulate readily and may ignite explosively. Keep from freezing.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

*Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance and Odor:** Gray and Solvent Odor

**Odor Threshold:** ND

**Vapor Pressure:** 80 - 90

**Vapor Density (Air=1):** Heavier than air

**Density:** 6.65 lb/gal

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 0.80

**pH:** 7.0

**Water Solubility:** N/A

**Other Solubilities:** ND

**Boiling Point:** <0 – 342 °F

**Freezing/Melting Point:** 32°F

**Viscosity:** ND

**Refractive Index:** ND

**% Volatile:** 92 %

**Evaporation Rate:** Faster than ether

### Section 10 - Stability and Reactivity

**Stability:** This product is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Strong Acids, Alkalis, Oxidizers, and Amines.

**Conditions to Avoid:** All sources of ignition, welding arcs, and open flames.

**Hazardous Decomposition Products:** Oxides of carbon, oxides of nitrogen, and may produce forms of chloride, chlorine, and phosgene.

**PRODUCT NAME: 1K Self-Etching Primer**

**PRODUCT CODE: 8130**

Page 4 of 5

**Section 11- Toxicological Information**

**Toxicity Data:**

	<u>LD50</u>	<u>LC50</u>
<b>Propane:</b>	Not Available	Not Available
<b>Butane:</b>	Not Available	Not Available
<b>Toluene:</b>	5000 mg/kg	4000 ppm
<b>Acetone:</b>	5800 mg/kg	Not Available
<b>Methyl Ethyl Ketone:</b>	2740 mg/kg	Not Available
<b>Methyl Isobutyl Ketone:</b>	Not Available	2080 mg/kg
<b>Ethyl 3-Ethoxypropionate:</b>	5000 mg/kg	Not Available
<b>n-Butyl Acetate:</b>	13100 ppm	2000 mg/kg
<b>Isobutyl Acetate:</b>	13400 mg/kg	Not Available
<b>Talc:</b>	Not Available	Not Available
<b>Titanium Dioxide:</b>	Not Available	Not Available

**Section 12 - Ecological Information**

**Ecotoxicity:** ND  
**Environmental Fate:** ND  
**Environmental Degradation:** ND  
**Soil Absorption/Mobility:** ND

**Section 13 - Disposal Considerations**

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Section 14 - Transport Information**

**DOT Transportation Data (49 CFR 172.101):**

**Shipping Name:** Aerosol – Consumer Commodity  
**Hazard Class:** 3  
**DOT UN/NA #.:** UN1950  
**Packing Group:** II  
**Label:** ORM-D, Flammable

**Section 15 - Regulatory Information**

**U.S. Federal Regulations:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

**CERCLA-SARA Hazard Category:**

This product has been reviewed according to the EPA “Hazard Categories” promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD, REACTION HAZARD, PRESSURIZED GAS HAZARD

SARA 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Toluene	108-88-3	8 %
Methyl Ethyl Ketone	78-93-3	2 %
Methyl Isobutyl Ketone	108-10-1	7 %

**PRODUCT NAME: 1K Self-Etching Primer**  
**PRODUCT CODE: 8130**

Toxic Substances Control Act:  
All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**U.S. State Regulations:** As Follows:  
California Proposition 65:  
Warning: The chemical noted below and contained in this product, is known to the state of California to cause cancer, birth defects or other reproductive harm:

**Section 16 - Other Information**

**Prepared By:** Angela H. Patton  
**Revision Notes:** This revision includes updated regulatory and additional hazard rating information.

**Additional Hazard Rating Systems:** VOC: 3.26 lbs/gal, 558 grams/ltr

**California VOC Information:** .California VOC limit: 60 % VOC , MIR 1.20  
.....Product Category: Primer

**Disclaimer:** Do not handle until the manufacturer’s safety precautions have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all products with which they come in contact. While we believe that the data contained herein is accurate and derived from qualified sources, the data are not to be taken as warranty or representation for which we assume legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state, provincial and local laws and regulations.