

Painters Pride 50 MEK 20019

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****MANUFACTURER'S NAME:**  
CUMBERLAND PRODUCTS INCORPORATED**ADDRESS:**  
50 COMMERCE PARKWAY  
HODGENVILLE, KY 42748

EMERGENCY PHONE : (800) 424 - 9300

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FAX NUMBER : (800) 500 - 9812

PRODUCT NAME Painters Pride 50 MEK

PRODUCT CODE 20019

PRODUCT USE DESCRIPTION No data

**2. HAZARDS IDENTIFICATION****Emergency Overview**

Appearance: liquid,, Colorless

CAUTION! FLAMMABLE LIQUID AND VAPOR. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY BE HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN, CAUSE IRRITATION AND BURNS.

**Potential Health Effects****Exposure routes**

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

**Eye contact**

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

**Skin contact**

Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

**Ingestion**

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

**Inhalation**

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8).

**Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:, Skin, lung (for example, asthma-like conditions)

**Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness)

**Target Organs**

Based on animal studies, exposure to methyl ethyl ketone (MEK) increases the onset of peripheral neuropathy caused by exposure to methyl butyl ketone (MBK), and/or n-hexane, and/or ethyl butyl ketone. MEK alone has not been shown to cause peripheral neuropathy., Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals:, mild, reversible liver effects, mild, reversible kidney effects

**Carcinogenicity**

Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

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**Reproductive hazard**

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

3. COMPOSITION/INFORMATION ON INGREDIENTS		
<b>Hazardous Components</b>	<b>CAS-No.</b>	<b>Concentration</b>
METHYL ETHYL KETONE	78-93-3	<= 100%

4. FIRST AID MEASURES
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**Eyes**

If symptoms develop, immediately move individual away from exposure and into fresh air.

Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

**Skin**

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

**Ingestion**

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**Inhalation**

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

**Notes to physician**

**Hazards:** This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

**Treatment:** No information available.

5. FIRE-FIGHTING MEASURES
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**Suitable extinguishing media**

Foam, Water spray, Carbon dioxide (CO<sub>2</sub>), Dry chemical

**Hazardous combustion products**

carbon dioxide and carbon monoxide

**Precautions for fire-fighting**

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

**NFPA Flammable and Combustible Liquids Classification** Flammable Liquid Class IB

6. ACCIDENTAL RELEASE MEASURES
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**Personal precautions**

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Ensure adequate ventilation.

**Environmental precautions**

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

**Methods for cleaning up**

Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Other information**

Comply with all applicable federal, state, and local regulations.

## 7. HANDLING AND STORAGE

### Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

### Storage

Store in a cool, dry, ventilated area. Keep containers closed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

METHYL ETHYL KETONE		78-93-3
ACGIH	time weighted average	200 ppm
ACGIH	Short term exposure limit	300 ppm
NIOSH	Recommended exposure	200 ppm
	limit (REL):	
NIOSH	Recommended exposure	590 mg/m <sup>3</sup>
	limit (REL):	
NIOSH	Short term exposure limit	300 ppm
NIOSH	Short term exposure limit	885 mg/m <sup>3</sup>
OSHA Z1	Permissible exposure	200 ppm
	limit	
OSHA Z1	Permissible exposure	590 mg/m <sup>3</sup>
	limit	

### General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

### Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Eye protection

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

### Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Wear resistant gloves (consult your safety equipment supplier).

Discard gloves that show tears, pinholes, or signs of wear.

### Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	liquid
<b>Form</b>	No data
<b>Color</b>	Colorless
<b>Odor</b>	characteristic, pleasant, acetone-like
<b>Boiling point/boiling range</b>	79.60 °C
<b>Melting point/range</b>	-123 °F / -86 °C
<b>pH</b>	No data
<b>Flash point</b>	-9.00 °C Closed Cup
<b>Evaporation rate</b>	5.70 (n-Butyl Acetate)
<b>Lower explosion limit/Upper explosion limit</b>	1.8 % (V) / 10 % (V)
<b>Vapor pressure</b>	12.132 kPa @ 25 °C
<b>Vapor density</b>	2.41 (AIR=1)
<b>Density</b>	0.806 g/cm <sup>3</sup> @ 68.00 °F / 20.00 °C 6.71 lb/gal @ 68 °F / 20 °C
<b>Solubility</b>	partly soluble in water
<b>Partition coefficient: n-octanol/water</b>	No data
<b>log Pow</b>	0.29
<b>Autoignition temperature</b>	759 °F / 404 °C

**10. STABILITY AND REACTIVITY****Stability**

Stable.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible products**

Copper, Copper alloys, strong alkalis, Strong oxidizing agents, strong mineral acids, Amines

**Hazardous decomposition products** carbon

dioxide and carbon monoxide

**Hazardous reactions**

Product will not undergo hazardous polymerization.

**Thermal decomposition** No

data

**11. TOXICOLOGICAL INFORMATION**

<b>Acute oral toxicity:</b>	LD 50 Mouse: 670 mg/kg LD 50 Rat: 2,300 - 3,500 mg/kg
<b>Acute inhalation toxicity:</b>	LC 50 Rat: 11,700 mg/l LC 50 Mouse: 11,000 mg/l LC 50 Rat: 11,700 mg/l, 4 h
<b>Acute dermal toxicity:</b>	LD 50 Rabbit: (>) 8,000 mg/kg LD 50 Rabbit: (>) 5 g/kg

**12. ECOLOGICAL INFORMATION****Biodegradability**

METHYL ETHYL KETONE: no data available

**Bioaccumulation**

METHYL ETHYL KETONE: no data available

**Ecotoxicity effects****Toxicity to fish**METHYL ETHYL KETONE: 96 h flow-through test LC 50 Fathead minnow  
(Pimephales promelas): 3,130.00 - 3,320.00 mg/l  
Mortality



**15. REGULATORY INFORMATION**

**California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**SARA Hazard Classification**

Fire Hazard

Acute Health Hazard

**New Jersey RTK Label Information**

METHYL ETHYL KETONE 78-93-3

**Pennsylvania RTK Label Information**

METHYL ETHYL KETONE 78-93-3

**Notification status**

Canada. Canadian Environmental Protection Act (CEPA). y (positive listing)

Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)

China. Inventory of Existing Chemical Substances y (positive listing)

Japan. Kashin-Hou Law List y (positive listing)

US. Toxic Substances Control Act y (positive listing)

EU. EINECS y (positive listing)

Korea. Toxic Chemical Control Law (TCCL) List y (positive listing)

Philippines. The Toxic Substances and Hazardous and Nuclear y (positive listing) Waste Control Act

Japan. Industrial Safety & Health Law (ISHL) List y (positive listing)

Australia. Industrial Chemical (Notification and Assessment) y (positive listing)

Act

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand y (positive listing)

Switzerland. Consolidated Inventory y (positive listing)

**Reportable quantity - Product**

US. EPA CERCLA Hazardous Substances (40 CFR 302) 5000 lbs

**Reportable quantity-Components**

METHYL ETHYL KETONE 78-93-3 5000 lbs

	<b>HMIS</b>	<b>NFPA</b>
Health	1	1
Flammability	3	3
Physical hazards	0	
Instability		0
Specific Hazard	--	--

**16. OTHER INFORMATION**

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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***VOC and HAP REPORT***

<b>VOC Content (as formulated)</b>	100.00 %
<b>VOC Content (SCAQMD)</b>	806.00 g/l
<b>VOC Vapor Pressure @ 20°C (SCAQMD)</b>	121.32 hPa
<b>Calculated HAP Total</b>	0.00%
<b>Calculated Organic HAP Total</b>	0.00%

Hazardous Air Pollutants reported on this document are limited to those that are defined as hazardous under 29 CFR 1910.1200. It is possible that there are other Hazardous Air Pollutants in this product at levels that are not reportable by the OSHA Hazard Communication Standard. Certain air regulations require that these components be included in determinations of total HAP emissions. If you require information on the unreported Hazardous Air Pollutants, please contact your Cumberland Products Inc. account representative.

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