

# SAFETY DATA SHEET



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## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NUMBER**                      06451

**PRODUCT NAME**                      PERMALOK Interior/Exterior 100% Acrylic Masonry Primer

### MANUFACTURER'S NAME

**Manufactured by:**

McCormick Paint Works Co., Inc.  
7202 McKinney Circle  
Frederick, MD 21704

### CORPORATE OFFICE:

McCormick Paint Works Co. Inc  
11200 Rockville Pike, Suite 504  
Rockville, MD 20852

**EMERGENCY TELEPHONE CHEMTREC** 1800-424-9300 (24hrs. a Day)

## SECTION 2 - HAZARDOUS IDENTIFICATION

### ROUTES OF EXPOSURE

INHALATION of vapor or spray mist  
EYE or SKIN contact with product, vapor or spray mist

### HMIS Codes

Health	1
Flammability	0
Reactivity	0

### EFFECTS OF OVEREXPOSURE

**EYES:** Irritation  
**SKIN:** Prolonged or repeated exposure may cause irritation  
**INHALATION:** Irritation of the upper respiratory system

### 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

### Label elements

**Danger**

### Hazard Statements

May cause Cancer  
Causes damage to organs through prolonged or repeated exposure



## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	OSHA PEL	<>
8 - 22 %	13463-67-7	Titanium Dioxide	15mg/m3 as dust	Nepheline Syenite
6 - 19 %	37244-96-5		10mg/m3 as dust	
.5 - 4 %	1314-13-2	Zinc Oxide		5mg/m3 as dust
.5 - 2 %	107-21-1	Ethylene Glycol		Vacated 1989 PEL: 125mg/m3

#### SECTION 4 - FIRST AID MEASURES

<b>EYES:</b>	Flush eyes with large amounts of water for 15 minutes. Get medical attention.
<b>SKIN:</b>	Wash affected area thoroughly with soap and water.
<b>INHALATION:</b>	If affected, remove from exposure. Restore breathing. Keep warm and quiet. If person is not breathing, call 911.
<b>INGESTION:</b>	Do not induce vomiting. Get medical attention immediately.

#### SECTION 5 - FIRE FIGHTING MEASURES

##### Flash Point Data

<b>Flash Point (°F)</b>	Not applicable
<b>Flash Point (°C)</b>	Not applicable
<b>Flash Point Method</b>	Not applicable

##### Flammability Limits in Air

<b>Lower Explosion Limit</b>	Not applicable
<b>Upper Explosion Limit</b>	Not applicable

**NFPA** Health: 1      **Flammability:** 0      **Instability:** 0      **Special:** Not Applicable

##### NFPA Legend

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used. Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

##### EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

##### UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up or pressure) when exposed to extreme heat.  
During emergency conditions overexposure to decomposition products may cause a health hazard.  
Symptoms may not be immediately apparent. Obtain medical attention.

##### 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 the area.  
Remove spill with inert absorbent.  
Avoid runoff into storm sewers, waterways, and drainage culverts.

## SECTION 7 - HANDLING AND STORAGE

### STORAGE CATEGORY

Not Applicable

### 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 the reach of children.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### PRECAUTIONS TO BE TAKEN IN USE:

Only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 3) which may be present at hazardous levels only during sanding or abrading of the dried paint film. If no specific dusts are listed in Section 3, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/33 (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in U.S.) or contact your local health authority.

### VENTILATION

Local exhaust is preferable. General exhaust is acceptable if the exposure to materials in Section 3 is maintained below acceptable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below acceptable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 3.

When sanding or abrading the dried paint film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive material itself.

### PROTECTIVE GLOVES

Required for long or repeated contact.

### EYE PROTECTION

Wear safety eyewear with unperforated side shields.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid	
<b>PRODUCT WEIGHT</b>	11.1 lb./gal.	
<b>SPECIFIC GRAVITY</b>	1.33	
<b>BOILING POINT</b>	212°F	(1330 g/L)
<b>MELTING POINT</b>	Not Available	
<b>VOLATILE VOLUME</b>	59.9%	(100°C)
<b>EVAPORATION RATE</b>	Slower than ether	
<b>VAPOR DENSITY</b>	Heavier than air	
<b>SOLUBILITY IN WATER</b>	Not Available	
<b>pH</b>	8.5	
<b>VOLATILE ORGANIC COMPOUNDS (VOC)</b>		
Theoretical - As Packaged)		
21.20 g/L		

**SECTION 10 - STABILITY AND REACTIVITY**

<b>STABILITY</b>	Stable under normal temperatures and pressures
<b>CONDITIONS TO AVOID</b>	Heat, flames, and freezing (temperatures below 32° F / 0° C)
<b>INCOMPATIBILITY</b>	None Known
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	By Fire: Carbon Dioxide, Carbon Monoxide
<b>HAZARDOUS POLYMERIZATION</b>	Will not occur

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**CHRONIC HEALTH HAZARDS**

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

Zinc oxide dust is generally considered a nuisance dust; adverse effects are unlikely when exposures are kept under reasonable control. Inhalation of high concentrations of zinc oxide fume or dust may cause siderosis. Siderosis is considered a benign pneumoconiosis and does not normally cause significant physiologic impairment. Overdose of iron compounds may cause "metal fume fever", a condition with symptoms that include: flu-like conditions - headaches, chills, fever, sweats, nausea, vomiting, cough, muscle aches and pains, and difficulty breathing, pulmonary edema.

**TOXICOLOGY DATA**

CAS No.	Ingredient Name	Result/Species	Dose
13463-67-7	Titanium Dioxide	LD50 RAT	> 10 g/kg
37244-96-5	Nepheline Syenite	LD50 RAT	> 365 mg/kg
1314-13-2	Zinc Oxide	LD50 RAT	> 5000 mg/kg
107-21-1	Ethylene Glycol	LD50 RAT	> 4.7 g/kg

**SECTION 12 - ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION**

This product contains Zinc Oxide, a substance known to be toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of properly in not a hazardous waste

according to Federal regulations (40 CFR 261.4 (b) (4)). Dispose in accordance with all applicable regulations. No data is available on the degradability of this product.

### 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.

### SECTION 14 - TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

<b>US Ground (DOT)</b>	Not Regulated for Transportation
<b>Canada (TDG)</b>	Not Regulated for Transportation
<b>IMO</b>	Not Regulated for Transportation
<b>IATA/ICAO</b>	Not Regulated for Transportation

### SECTION 15 - REGULATORY INFORMATION

**SARA 313 (40 CFR 372-65C) SUPPLIER NOTIFICATION:**  
Zinc Oxide (5 - 10%).

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
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No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

#### 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 Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of this product. Since conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information.