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## MATERIAL SAFETY DATA SHEET

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### SECTION 1 – PRODUCT IDENTIFICATION

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**TRADE NAME:** McCabe Gas Level Indicator Paste  
**GENERIC NAME:** None  
**CHEMICAL FORMULA** Not applicable to mixtures  
**MOLECULAR WEIGHT** Not applicable to mixtures  
**MSDS NUMBER:** 02 Prepared: September 8, 1998 Revised: October 22, 2008  
**MANUFACTURER'S NAME:** McCabe and Sons, Inc.  
**MANUFACTURER'S ADDRESS:** 771 Clark Road  
Danville, VT 05828  
**MANUFACTURER'S PHONE:** (802) 748-6840  
**EMERGENCY PHONE:** (802) 748-6840  
**MANUFACTURER'S FAX:** (802) 748-6841

### SECTION 2 – Hazardous Ingredients

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CAS NO.	CHEMICAL NAME	%	HAZARDOUS	ACGIH(TLV)	OSHA(PEL)
1314-13-2	Zinc Oxide	60-70	YES	10 (mg/m <sup>3</sup> ) D 2 (mg/m <sup>3</sup> ) F	15 (mg/m <sup>3</sup> ) D 5 (mg/m <sup>3</sup> ) R 5 (mg/m <sup>3</sup> ) F
25322-69-4	Polypropylene Glycol (ARCOL PPG-2025)	30-40	YES	None	None

D = Total Dust      R = Respirable Dust  
F = Fume

### SECTION 3 – Hazards Identification

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**EMERGENCY OVERVIEW:** CAUTION! MAY IRRITATE RESPIRATORY TRACT.  
**HEALTH RATING:** 2 MODERATE  
**FLAMMABILITY RATING:** 0 NONE  
**REACTIVITY RATING:** 1 SLIGHT  
**CONTACT RATING:** 1 SLIGHT  
**PROTECTIVE EQUIPMENT:** SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES)

## POTENTIAL HEALTH EFFECTS

### Inhalation:

Zinc Oxide may cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath. Inhalation of fumes can cause metal fume fever, a flu-like illness lasting 24 to 48 hours with symptoms including chills, fever, muscle ache, dryness of the throat and headache.

### Ingestion:

Swallowing large amounts of material may cause irritation to the gastrointestinal tract. Slightly toxic. May cause nausea.

### Skin Contact:

Repeated or prolonged contact with skin may cause dermatitis.

### Eye Contact:

May be mildly irritation to the eyes.

## SECTION 4 – First Aid Measures

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### EMERGENCY AND FIRST AID PROCEDURES:

<b>EYES:</b>	Flush with water immediately for 15 minutes and call a physician if irritation persists.
<b>INHALATION:</b>	Remove to fresh air. Get medical attention if breathing is difficult.
<b>INGESTION:</b>	Call the local poison control center and physician immediately.
<b>SKIN:</b>	Flush with water immediately for 15 minutes and call a physician if irritation persists.
<b>HAZARDS (ACUTE/CHRONIC):</b>	Persons with a pre-existing circulatory or respiratory disease may be susceptible to the effects of this product.

## SECTION 5 – Fire Fighting Measures

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**FLASH POINT (METHOD USED)** 390 – 495°Fahrenheit (COC)

**AUTOIGNITION TEMPERATURE:** N/A

**FLAMMABLE LIMITS: LEL UEL**

**NOT FLAMMABLE N/A N/A**

**EXTINGUISHING MEDIA:** Dry chemical, foam, water spray or carbon dioxide.

**FIRE FIGHTING INSTRUCTIONS:** None

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### **SECTION 6 – Accidental Release Measures**

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**STEPS TO TAKE IN CASE MATERIAL IS RELEASED/SPILLED:** Segregate and clean up to avoid generating dust and vapor. Consider use of respirators and personal protective equipment in extreme cases involving large amounts of the material.

#### **SECTION 7 – Handling and Storage**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Avoid contact with eyes and skin. Keep containers closed and away from oxidizers. Wash thoroughly after handling. Store in a cool, dry, well-ventilated area.

**OTHER PRECAUTIONS:** None

#### **SECTION 8 – Exposure, Personal Protection**

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**VENTILATION:** Recommended to keep below TLVs

**LOCAL EXHAUST:** Recommended to keep below TLVs

**SPEC AND OTHER:** N/A

**RESPIRATORY PROTECTION:** Consider using a NIOSH-approved respirator when handling large quantities of this material or if dust or fume is above the PEL or TLV.

**SKIN PROTECTION:** Impervious gloves are usually not required.

**EYE PROTECTION:** Safety glasses with side shields or chemical goggles.

**WORK/HYGIENIC PRACTICES:** Avoid breathing vapor. Wear long-sleeved shirt, trousers and safety shoes.

## SECTION 9 – Physical and Chemical Properties

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<b>BOILING POINT:</b>	Greater than 450°F	<b>MELTING POINT:</b>	No information found
<b>SPECIFIC GRAVITY:</b>	2.1	<b>VAPOR PRESSURE:</b> (mm Hg.)	Less than 0.01
<b>SOLUBILITY IN WATER:</b>	Partial	<b>EVAPORATION RATE:</b> (BUTYL ACETATE = 1)	No information found
<b>pH</b>	No information found	<b>% VOLATILES BY VOLUME</b>	No information found
<b>APPEARANCE AND ODOR</b>	Light purplish blue paste with no odor		

## SECTION 10 – Stability and Reactivity

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<b>STABILITY:</b>	Stable under ordinary conditions of use and storage.
<b>CONDITIONS TO AVOID:</b>	High temperatures and incompatibles.
<b>INCOMPATIBILITY:</b>	Oxidizers. Zinc oxide dust may react violently with aluminum and magnesium powders and chlorinated rubber on heating.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Carbon dioxide and carbon monoxide. When heated to very high temperatures, zinc oxide sublimes to produce zinc oxide fume.
<b>HAZARDOUS POLYMERIZATION:</b>	None known to occur.

## SECTION 11 – Toxicological Information

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<b>TOXICOLOGICAL INFORMATION:</b>	This product has not been tested as a whole. Individual ingredients are:
	Zinc Oxide: TDLo (reproductive-oral – rat (mg/kg)) 6846 LDL (oral – human (mg/kg)) 500
	Propylene Glycol: LD 50 (oral – rat (mg/kg)) 9760 (average molecular Weight 2025)
	<b>National Toxicology Program – None of the listed ingredients are known or anticipated carcinogens.</b>

## SECTION 12 – Ecological Information

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<b>ECOLOGICAL INFORMATION:</b>	No information found
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**SECTION 13 – Disposal Considerations**

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**EPA HAZARDOUS WASTE ID NUMBER**      None

**WASTE DISPOSAL METHOD:**                      Sanitary landfill, incineration at permitted facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

**SECTION 14 – Transport Information**

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Not regulated

**SECTION 15 – Regulatory Information**

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.....\Chemical Inventory Status – Part 1\.....

Ingredient	TSCA	EC	Japan	Australia
Zinc Oxide (1314-13-2)	Yes	Yes	Yes	Yes
Polypropylene glycol (25322-69-4)	Yes	Yes	Yes	Yes

.....\Chemical Inventory Status – Part 2\.....

Ingredient	Korea	-- Canada --		Phil.
		DSL	NDSL	
Zinc Oxide (1314-13-2)	Yes	Yes	No	Yes
Polypropylene glycol (25322-69-4)	Yes	Yes	No	Yes

.....\Federal, State & International Regulations – Part 1\.....

Ingredient	-- SARA 302 --		----- SARA 313 -----	
	RQ	TPQ	List	Chemical Catg.
Zinc Oxide (1314-13-2)	No	No	No	Zinc Comp.
Polypropylene glycol (25322-69-4)	No	No	No	No

.....\Federal, State & International Regulations – Part 2\.....

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Zinc Oxide (1314-13-2)	No	No	No
Polypropylene glycol (25322-69-4)	No	No	No

Chemical Weapons Convention:    Yes      TSCA 12(b):    No      CDTA:    No  
 SARA 311/312:    Acute: Yes      Chronic: No      Fire: No      Pressure: No  
 Reactivity: No                      (Pure / Liquid)

**WHMIS**

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

## SECTION 16 – Other Information

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**NFPA RATINGS: Health: 1**

**Flammability: 0**

**Reactivity: 0**

**LABEL HAZARD WARNING:**

**CAUTION! MAY IRRITATE RESPIRATORY TRACT.**

**LABEL PRECAUTIONS:**

Avoid breathing dust or vapor. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

**LABEL FIRST AID:**

If inhaled, remove to fresh air. Get medical attention for any breathing difficulty.

**Product Use:**

Used to gauge/measure certain petroleum and chemical products.

**Revision Information:**

Section 2 updated TLV; Section 11 updated toxicological information; Section 15 added polypropylene glycol.

Date of Preparation: September 8, 1998

Date of Revision: October 22, 2008

**Disclaimer**

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