
SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: McCabe Water Level Indicator Paste
GENERIC NAME: None
CHEMICAL FORMULA Not applicable to mixtures
MOLECULAR WEIGHT Not applicable to mixtures
SDS NUMBER: 01 Prepared: September 1, 1998
02 Revised: May 15, 2013
MANUFACTURER'S NAME: McCabe and Sons, Inc.
MANUFACTURER'S ADDRESS: 771 Clark Road
Danville, VT 05828
MANUFACTURER'S PHONE: (802) 748-6840
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MANUFACTURER'S FAX: (802) 748-6841



McCabe & Sons, Inc.

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

Target Organ Effect, Irritant

Target Organs

Liver, Kidney

GHS Classification

Acute Toxicity, Oral (Category 5)

Skin Irritation (Category 2)

Serious Eye Damage (Category 2)

GHS Label Elements, including precautionary statements

Pictogram



Signal Word

Warning

Hazard Statement(s)

H302

May be harmful if swallowed

H315

Causes skin irritation

H318

Causes serious eye irritation

H335

May cause respiratory irritation

Precautionary Statement(s)

P102

Keep out of reach of children

P262

Do not get in eyes, on skin or on clothing

P280

Wear protective gloves/protective clothing/eye protection/face protection

P281

Use personal protective equipment as required

HMIS (U.S.A.) RATINGS:

Health Hazard: 1
 Fire Hazard: 0
 Physical Hazards: 0
 Personal Protection: E

Potential Health Effects

Inhalation Not expected to be an inhalation hazard due to the low vapor pressure of the product.
Ingestion Swallowing large amounts of material may cause mucosal irritation to the gastrointestinal tract.
Skin May cause irritation and redness upon prolonged or repeated contact.
Eyes May be corrosive. Contact with amines may cause moderate to severe redness, irritation and pain.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: None

CAS NO.	EINECS	CHEMICAL NAME	%	HAZARDOUS*
102-71-6	203-049-8	Triethanolamine	25-35	YES
111-42-2	203-868-0	Diethanolamine	5-10	YES
1317-65-3	215-279-6	Calcium Carbonate	60-70	YES

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

SECTION 4 – FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes: Flush with water immediately for 15 minutes and call a physician.
Inhalation: Not expected to require first aid measures.
Ingestion: **DO NOT INDUCE VOMITING, CONTAINS AMINES. Call poison control center and physician immediately.**
Skin: Remove contaminated clothing. Flush with water immediately for 15 minutes and call a physician
Hazards (Acute/Chronic): **Acute overexposure can cause irritation of the eyes, skin and respiratory tract.**

SECTION 5 – FIREFIGHTING MEASURES

Flash Point (Method Used): 355 – 375°Fahrenheit (COC)
Autoignition Temperature: N/A

Flammable Limits (Components):	LEL	UEL
Triethanolamine	1.3 (V)	8.5 (V)
Conditions of Flammability:	Not flammable or combustible	
Suitable Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide	
Special Protective Equipment for Firefighters:	Wear self-contained breathing apparatus for fire-fighting if necessary	
Hazardous Combustion Products:	Hazardous decomposition products formed under fire conditions. Carbon oxides. - nitrogen oxides (NOx)	

Diethanolamine

Conditions of Flammability:	Not flammable or combustible	
Suitable Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide	
Special Protective Equipment for Firefighters:	Wear self-contained breathing apparatus for fire-fighting if necessary	
Hazardous Combustion Products:	Hazardous decomposition products formed under fire conditions. Carbon oxides. - nitrogen oxides (NOx) Hazardous decomposition products formed under fire conditions. Nature of decomposition products not known	

Calcium Carbonate

Conditions of Flammability:	Not flammable or combustible	
Suitable Extinguishing Media:	Dry chemical, CO ₂ , water-spray or regular foam	
Special Protective Equipment for Firefighters:	Wear self-contained breathing apparatus for fire-fighting if necessary	
Hazardous Combustion Products:	Hazardous decomposition products formed under fire conditions. Carbon oxides.	

NFPA (U.S.A.) RATINGS:

Health: 0
 Flammability: 1
 Reactivity: 0
 Specific Hazard:

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ventilate area. Evacuate personnel to safe areas.
Environmental precautions	Segregate and clean-up to avoid generating dust and vapors. Do not let product enter drains.
Methods and materials for	Keep in suitable, closed containers for disposal. Soak up with inert

containment and cleaning up absorbent material and properly dispose.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling: **SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES), RUBBER GLOVES.** Avoid contact with eyes and skin. Keep containers closed and away from moisture, acids and oxidizers. Wash thoroughly after handling.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area. A temperature range of 50 to 75°F is recommended.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Component	CAS NO.	Value	Control Parameters	Basis
Triethanolamine	102-71-6	TWA	5 mg/m ³	USA, ACGIH Threshold Limit Value (TLV)
Remarks	Skin & eye irritation			
Diethanolamine	111-42-2	TWA	3 mg/m ³	USA, ACGIH Threshold Limit Value (TLV)
		TWA	3 ppm (15 mg/m ³)	NIOSH Recommended Exposure Limit (REL)
Remarks	Liver & kidney damage. Confirmed animal carcinogen with unknown relevance to humans. Danger of cutaneous absorption			
Calcium Carbonate	1317-65-3	TWA	10 (mg/m ³) total dust	NIOSH Recommended Exposure Limit (REL)
			15 (mg/m ³) total dust 5 (mg/m ³) respirable	USA, OSHA Permissible Exposure Limit (PEL)
Remarks	Skin, respiratory & eye irritation			

Personal Protective Equipment

Respiratory Protection: Consider using a NIOSH-approved respirator when handling large quantities of this material or if vapors are present above the TLV

Hand Protection: Impervious gloves

Skin Protection: Impervious body coverings

Eye Protection: Safety glasses with side shields, chemical goggles and/or full face shield

Work/Hygienic Practices: Avoid breathing vapor and contact with skin. Material may be slippery when wet.

Appropriate Engineering Controls

Ventilation: Recommended to keep below TLVs

Local Exhaust: Recommended to keep below TLVs

Spec And Other: N/A

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	Green paste with no odor	Specific Gravity:	1.7
Boiling Point:	Greater than 514°F	Melting Point:	No information found
Vapor Pressure: (Mm Hg.)	Less than 0.01	Evaporation Rate: (Butyl Acetate = 1)	No information found
Solubility in Water:	Partial	% Volatiles by Volume	No information found
pH	No information found	Flash Point (Method Used):	355 – 375 Fahrenheit (COC)
Autoignition Temperature:	N/A	Viscosity	Unknown

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability:	Stable under ordinary conditions of use and storage
Conditions to Avoid:	Heat and incompatibles
Incompatible Materials:	Acids, oxidizers, copper, copper alloys and galvanized iron
Hazardous Decomposition Products:	Burning may produce carbon dioxide, carbon monoxide and nitrogen oxides
Possibility of Hazardous Reactions:	None known to occur

SECTION 11 – TOXICOLOGICAL INFORMATION

This product has not been tested as a whole. Individual components are listed :

Acute Toxicity:			
Oral LD50	Triethanolamine:	LD 50 (oral – mouse (mg/kg))	5,846
		LD 50 (oral – rat (ul/kg))	5,530
		LD 50 (oral – rabbit (mg/kg))	2,200
		LD 50 (oral – guinea pig (mg/kg))	2,200
	Diethanolamine	LD 50 (oral – mouse (mg/kg))	710
		LD 50 (oral – rat (mg/kg))	4,920
	Calcium Carbonate:	LD 50 (oral – rat (mg/kg))	6,450
Inhalation LC50	No data available		
Dermal LD50	Diethanolamine	LD 50 (dermal – rabbit (mg/kg))	12,200
Skin corrosion/irritation	No data available		
Respiratory or skin sensitization	No data available		
Germ cell mutagenicity	No data available		

Carcinogenicity IARC category 3 (Insufficient evidence to classify as a human or animal carcinogen)

ACGIH - No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH

NTP - No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP

OSHA - No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

RTECS: Triethanolamine: KL9275000
 Diethanolamine: KL2975000
 Calcium Carbonate: FF9335000

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity:

Triethanolamine

Toxicity to Fish LC50 – Lepomis macrochirus (Bluegill) – 450 – 1,000 mg/l – 96 hr

Toxicity to Daphnia and other aquatic invertebrates EC50 – Daphnia – 609.89 mg/l – 48 hr

Diethanolamine

Toxicity to Fish mortality NOEC – Cyprinodon variegatus (sheepshead minnow) – 540 mg/l -96 hr
 LC50 – Pimephales promelas (fathead minnow) – 1,460 mg/l – 96 hr

Toxicity to Daphnia and other aquatic invertebrates mortality NOEC – Daphnia magna (water flea) - <4.2 mg/l – 11 d
 EC50 – Daphnia magna (water flea) – 55 mg/l – 48 hr

Persistence and Degradability

When released into the soil the solids of this material would not be expected to biodegrade. The amine portion of this material would be expected to biodegrade and have a half-life of from 10 to 30 days.

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Product Offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated packaging Dispose of as unused product in accordance with federal, state and local requirements. Sanitary landfill, incineration at permitted facility.

EPA Hazardous Waste ID Number None

SECTION 14 – TRANSPORT INFORMATION

DOT (US)

Not regulated. Not dangerous goods.

IMDG

Not dangerous goods.

IATA

Not dangerous goods.

SECTION 15 – REGULATORY INFORMATION

US Federal Regulations

FDA – Limestone (calcium carbonate) has been determined as “Generally Recognized as Safe” (GRAS) by FDA – see 21 CFR 184.1409.

Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A). Diethanolamine is listed under CERCLA (40 CFR 302.4) and SARA Section 313 (40 CFR 372.65).

Acute Health: Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactivity:** No

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	FL	MA	MN	NJ	PA	MI
Triethanolamine	102-71-6	No	No	Yes	Yes	Yes	Yes	No
Diethanolamine	111-42-2	Yes	No	Yes	Yes	Yes	Yes	No
Calcium Carbonate	1317-65-3	No	No	Yes	Yes	Yes	Yes	No

Component Analysis - Inventory

Component	CAS	TSCA 8(b)	TSCA 8(d)	DSL	NDSL	WHMIS	EINECS	RCRA
Triethanolamine	102-71-6	No	No	Yes	Yes	Not Controlled	203-049-8	No
Diethanolamine	111-42-2	Yes	No	Yes	Yes	Class D-2B	203-868-0	No
Calcium Carbonate	1317-65-3	No	No	Yes	Yes	Class 2, Div 2, Subdivision A	215-279-6	No

Chemical Weapons Convention: Yes TSCA 12(b): No CDTA: No

WHMIS

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

SECTION 16 – OTHER INFORMATION

LABEL HAZARD WARNING:

WARNING! HARMFUL IF SWALLOWED. CAUSES EYE AND SKIN IRRITATION.

Label Precautions:

Avoid breathing dust or vapor. Keep container closed. Use only with adequate ventilation. Do not get in eyes, skin, or on clothing. Wash thoroughly after handling.

Label Precautions:

If swallowed, DO NOT INDUCE VOMITING! Contact a poison control center and physician immediately.

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Call a physician immediately.

Product Use:

Industrial water level indicator.

Revision Information:

Revised all sections in accordance with the Globally Harmonized System of Classification and Labeling of Chemicals

Date of Preparation: September 1, 1998

Date of Revision: May 15, 2013

Disclaimer

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