



## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

---

- **Product name:** **KELZAN XCD**
- **Manufacturer:** Deep South Chemical, Inc.  
229 Millstone Road  
Broussard, LA 70518 (337) 837-9931
- **For Emergency : Call CHEMTREC 1-800-424-9300**  
Outside the U.S.A. (703)-527-3887
- **Chemical Family:** Polysaccharide Gum
- **Contact Person:** Glenn Ray
- **Formula:** Xanthan Gum
- **MSDS Revised:** January 1, 2014

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

---

Hazardous components	CAS Number	%	PEL(OSHA)		TLV(ACGIH)		IDLH
			TWA	STEL	TWA	STEL	
Xanthan Gum	11138-66-2	100	15mg/m <sup>3</sup>	N/E	N/E	N/E	N/E
			(total dust)				
			5mg/m <sup>3</sup>	N/E			
			(respirable)				

### SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

---

#### Effects of overexposure

**Inhalation:** This product may cause irritation to nose, throat, and respiratory tract

**Skin Contact:** This product may cause irritation to the skin. Defatting of the skin can occur with frequent or long-term skin contact.

**Eye Contact:** Irritation to eyes.

**Ingestion:** There may be irritation of the mouth, throat, and digestive tract.

### SECTION 4. FIRST AID MEASURES

---

**Eyes:** Move victim away from exposure and into fresh air. If irritation persists, seek medical attention. For direct exposure, flush with clean water for 15 minutes. Hold eyelids apart to ensure flushing of the entire eye surface.

**Inhalation:** Move victim away from source of exposure and into fresh air. If irritation persists, seek medical attention

**Skin:** Remove and wash contaminated clothes. Cleanse affected area thoroughly with soap and water. If irritation persists, seek medical attention.

**Ingestion:** Immediate first aid is not likely to be required. Seek medical attention if any irritation persists.

### SECTION 5. FIRE FIGHTING MEASURES

---

#### Fire fighting measures

**Extinguishing Media:** Use water, powder, foam, or CO<sub>2</sub>.

**Decomposition/Combustion Products:** Oxides of carbon.

**Unusual fire and explosion hazards:** This material as normally packaged and handled can contain sufficient fines to form an explosive mixture if dispersed in a sufficient quantity of air. Surfaces that may be covered with this product will become extremely slippery upon application of water.



**Explosive Properties:**

LEL: N/D

UEL: N/D

**WARNING!**

**COMBUSTIBLE DUST**

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Steps to be taken if material is released or spilled:** Use proper personal protective equipment. Stay upwind from spill. For small dry spills, carefully scoop material into suitable containers for later disposal. Vacuuming with appropriate vacuum for handling combustible dusts or wet mopping may minimize dust dispersion

**Waste disposal method:** Dispose of according to local, state and federal regulations in an approved disposal facility or recycling facility.

**SECTION 7. HANDLING AND STORAGE**

**Storage:** Store in a well-ventilated area. Keep container tightly closed when not in use. Store in cool, dry area. Keep away from heat, sparks and flame. Avoid creating dust cloud in handling transfer and clean up.

**Handling:** Use proper personal protective equipment. Avoid contact with skin or eyes. Avoid breathing of dust. Handle in well-ventilated workspace. When handling do not eat, drink, or smoke.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ventilation:** Keep work area well ventilated.

**Protective clothing:** Impermeable gloves and impervious clothing as appropriate.

**Eye protection:** Use appropriate eye protection.

**Respiratory Protection:** Use appropriate respiratory protection when handling or in case of insufficient ventilation.

**Special Protection:** Safety shower, eye bath, and washing facilities should be available.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Specific gravity @ 77°F(H<sub>2</sub>O = 1):** N/A

**Flash Point(PMCC Method)(°F):** N/A

**Vapor density (Air = 1):** N/D

**Solubility:** 100% in water.

**Vapor pressure @ 75:** N/D

**Evaporation Rate:** N/D

**Appearance:** White to tan powder

**Odor:** Slight

**Boiling Point(°F) :** N/D

**Melting Point(°F):** N/D

**Viscosity:** N/D

**pH:** Approximately neutral(as a 1% solution)

**Auto-ignition:** N/D

**SECTION 10. STABILITY AND REACTIVITY**

**Stability and Reactivity:** Stable in normal conditions.

**Incompatible Materials:** Avoid strong oxidizers.

**Hazardous Decomposition Products:** Oxides of carbon.

**Hazardous Polymerization:** None described.



**SECTION 11. TOXICOLOGICAL INFORMATION**

---

The dry powder may cause foreign body irritation in some individuals. Prolonged contact with the dry powder may cause drying or chapping of the skin.

**Rat, oral, LD<sub>50</sub>:** >5,000 mg/kg

**Eye irritation-rabbit:** not irritating

**Skin irritation-rabbit:** not irritating

No adverse effects were observed in long-term feeding studies with rats(up to 1,000mg/kg/day) and dogs(up to 1,000mg/kg/day). No adverse effects were observed in a 3-generation reproduction study with rats(up to 500mg/kg/day).

**SECTION 12. ECOLOGICAL INFORMATION**

---

**96-hr LC<sub>50</sub>; rainbow trout:** 490 mg/L

**48-hr LC<sub>50</sub>; Daphnia magna:** 980mg/L

**96-hr LC<sub>50</sub>; mysid shrimp,k using 2lb./bbl. Xanthan gum in a standard drilling mud:** >500,000ppm suspended particulate phase.

**BOD<sub>5</sub>** is approx. 200mg O<sub>2</sub>/gram

**COD** is approx. 1600 mg O<sub>2</sub>/gram

**SECTION 13. DISPOSAL CONSIDERATIONS**

---

**Disposal:** If spilled, dispose according to local, state, and federal regulations. Recycle waste containers and clean out residues.

**SECTION 14. TRANSPORT INFORMATION**

---

**DOT Transport Information:** Non-Regulated

**SECTION 15. REGULATORY INFORMATION**

---

**Toxic Substances Control Act (TCSA):** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**CERCLA RQ-40 CFR 302.4(a)**

Component

None

CERCLA RQ

**SARA 302 Components-40 CFR 355 Appendix A**

None

**Section 311/312 Hazard Class-40 CFR 370.2-Not Applicable**

Immediate ( )

Delayed ( )

Fire ( )

Reactive ( )

Sudden Release of Pressure ( )

**SARA 313-40 CFR 372.65**

Component

None

CAS Number

%



## **SECTION 16. OTHER INFORMATION**

---

**NFPA RATING: Health (1) Fire (1) Reactivity (0)**

WE CANNOT ANTICIPATE ALL CONDITIONS UNDER WHICH THIS INFORMATION AND OUR PRODUCTS, OR THE PRODUCTS OF OTHER MANUFACTURERS IN COMBINATION WITH OUR PRODUCTS MAY BE USED. WE ACCEPT NO RESPONSIBILITY FOR RESULTS OBTAINED BY THE APPLICATION OF THIS INFORMATION OR THE SAFETY AND SUITABILITY OF OUR PRODUCTS, EITHER ALONE OR IN COMBINATION WITH OTHER PRODUCTS. USERS ARE ADVISED TO MAKE THEIR OWN TESTS TO DETERMINE THE SAFETY AND SUITABILITY OF EACH PRODUCT OR PRODUCT COMBINATION FOR THEIR OWN PURPOSES. UNLESS OTHERWISE OBTAINED IN WRITING, WE SELL THE PRODUCTS WITHOUT WARRANTY, AND BUYERS AND USERS ASSUME ALL RESPONSIBILITY AND LIABILITY FOR LOSS OR DAMAGE ARISING FROM HANDLING AND USE OF OUR PRODUCTS, WHETHER USED ALONE OR IN COMBINATION WITH OTHER PRODUCTS.

N/D= No data; N/A = Not available; N/E= Not established