



# SAFETY DATA SHEET

Date Prepared : 05/28/2015

SDS No : NC 0143

ZEROL® 200TD (4308-07, 4308-05, 4308-01)

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ZEROL® 200TD (4308-07, 4308-05, 4308-01)**PRODUCT DESCRIPTION:** Synthetic Alkylate**DISTRIBUTOR**

Nu-Calgon  
2008 Altom Court  
St. Louis, MO 63146  
**Emergency Phone:** 800-554-5499

**24 HR. EMERGENCY TELEPHONE NUMBERS**

CHEMTREC: 800-424-9300

## 2. HAZARDS IDENTIFICATION

**GHS LABEL**

This product is not classified as hazardous according to 29CFR 1910.1200.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Synthetic Alkylate(s)	*	Proprietary
Lubricant Additive	*	Proprietary
Lubricant Additive	*	Proprietary

**COMMENTS:** Ingredients and composition are withheld as trade secret in accordance with 29CFR1910.1200(i).

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**INGESTION:** Rinse mouth with water. Drink plenty of water. Do not induce vomiting. Get immediate medical attention if you feel unwell. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get immediate medical attention.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** May cause eye irritation.

**SKIN:** May cause skin irritation.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Non-flammable.

**GENERAL HAZARD:** Do NOT use water stream or water jet.

**EXTINGUISHING MEDIA:** Dry Chemical, CO2, Foam, Fog or Water Spray.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon.

**OTHER CONSIDERATIONS:** Keep adjacent containers cool with water spray.

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**FIRE FIGHTING EQUIPMENT:** In case of fire wear a full-face positive pressure self contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Contain and soak up spill with non-combustible absorbent material. Dampen and scoop spilled material into suitable containers, seal and label. Avoid mixing spilled material with other chemicals or debris. Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** **LARGE SPILLS:** Shut off leak if safe to do so. Remove all possible sources of ignition. Contain spill with inert, absorbent material. Reclam into recovery or salvage drums or vacuum truck for proper disposal. Treat residues as small spills.

#### **ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Prevent material from entering drains or watercourses using sand, earth or other appropriate barriers.

**LAND SPILL:** Prevent contamination of the soil.

**GENERAL PROCEDURES:** Avoid contact with skin or eyes. Avoid contact with spilled materials. Use appropriate personal protective equipment. Ensure adequate ventilation.

**SPECIAL PROTECTIVE EQUIPMENT:** Use protective equipment recommended in Section 8.

### **7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Handle in accordance with good industrial hygiene and safety practices.

**HANDLING:** Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin and eyes. Ground and bond containers when transferring material. Wash thoroughly after handling.

**STORAGE:** Keep container tightly closed in a dry, well-ventilated place away from heat, open flame, or sources of ignition. Store away from incompatible materials (see section 10).

**STORAGE TEMPERATURE:** Ambient.

**LOADING TEMPERATURE:** Ambient

**ELECTROSTATIC ACCUMULATION HAZARD:** Bond and ground during loading, unloading and transferring material to prevent electrostatic accumulation.

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

**ENGINEERING CONTROLS:** Provide adequate ventilation. Eye washes and showers for emergency use.

#### **PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Wear safety glasses with side shields (or goggles) or a face shield.

**SKIN:** Use protective clothing, sleeves, boots, face protection and chemical resistant gloves. Use extra precautions when working with heated materials.

**RESPIRATORY:** Use appropriate protection if there is risk of breathing the mists or vapors or heated materials. Use suitable respiratory equipment if risk of insufficient ventilation.

**PROTECTIVE CLOTHING:** Wear protective clothing appropriate to the risk of exposure.

**WORK HYGIENIC PRACTICES:** Wash hands, forearms and face before eating, drinking, smoking and using the restroom. Launder contaminated clothing before re-use.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**APPEARANCE:** Clear colorless Liquid

**PHYSICAL STATE COMMENTS:** Clear, bright, viscous.

**pH:** Not Available

**FLASH POINT AND METHOD:** 180°C COC-ASTM D-92

**AUTOIGNITION TEMPERATURE:** Not Available

**VAPOR PRESSURE:** Not Available

**BOILING POINT:** Not Available

**POUR POINT:** -45°C

**THERMAL DECOMPOSITION:** Not Available

**SPECIFIC GRAVITY:** 0.87 at 15°C

**VISCOSITY #1:** 39 cSt at 40°C

**VISCOSITY #2:** 4.9 cSt at 100°C

**10. STABILITY AND REACTIVITY**

**HAZARDOUS POLYMERIZATION:** None

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Excessive heat, sparks or open flames.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None Expected.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions, no hazardous decomposition products should be produced.

**INCOMPATIBLE MATERIALS:** Strong oxidizers.

**11. TOXICOLOGICAL INFORMATION****ACUTE**

**DERMAL LD<sub>50</sub>:** > 2000 mg/kg

**ORAL LD<sub>50</sub>:** > 2000 mg/kg

**EYE EFFECTS:** Minimal irritation.

**SKIN EFFECTS:** Minimal irritation.

**CARCINOGENICITY**

**Notes:** Contains no ingredient listed as a carcinogen.

**REPEATED DOSE EFFECTS:** None Expected.

**IRRITATION:** Not a primary irritant.

**SENSITIZATION:** None Expected.

**REPRODUCTIVE EFFECTS:** None Expected.

**MUTAGENICITY:** None Expected.

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** Not classified as an environmental hazard.

**ECOTOXICOLOGICAL INFORMATION:** This product is not expected to be toxic to aquatic life.

**BIOACCUMULATION/ACCUMULATION:** Expected to have a very slow rate of bioaccumulation.

**DISTRIBUTION:** Insoluble in water. Adsorbs to soil and has low mobility.

**CHEMICAL FATE INFORMATION:** Expected to be partially or slowly biodegradable.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Dispose of contents/container to a licensed contractor or facility in accordance with local, state and federal regulations.

**PRODUCT DISPOSAL:** Materials are suitable for burning or disposal at a supervised incineration facility.

**EMPTY CONTAINER:** Clean container thoroughly and dispose to licensed disposal contractor. Do not weld, cut, or braze empty containers, or allow product residue to come in contact with other sources of ignition as they may contain residue which could ignite.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not regulated for Transport

**ROAD AND RAIL (ADR/RID)**

**PROPER SHIPPING NAME:** Not regulated for Transport

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Not regulated for Transport

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Not regulated for Transport

**15. REGULATORY INFORMATION**

**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HAZARD CATEGORIES: Not hazardous.

313 REPORTABLE INGREDIENTS: No ingredients at detectable levels.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS	TSCA SECTION
Lubricant Additive	Proprietary	8a, 8d,

TSCA STATUS: All components listed or exempt.

**CANADA**

DOMESTIC SUBSTANCE LIST (INVENTORY): All components are listed or exempt.

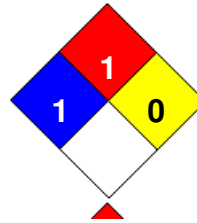
**16. OTHER INFORMATION**

APPROVED BY: Audris King    TITLE: HS&amp;E Manager

PREPARED BY: A. King    Date Prepared: 05/28/2015

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>1</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	

**NFPA CODES**

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