

SAFETY DATA SHEET



Date Issued : 04/09/2019

SDS No : 0143

Date Revised : 06/10/2019

Revision No : 2

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

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ZEROL® 200TD**PRODUCT DESCRIPTION:** Synthetic Alkylate**MANUFACTURER**

Shrieve Chemical Products

1755 Woodstead Ct

The Woodlands, TX 77380

Emergency Contact: Lindsay Myers**Emergency Phone:** (800) 424-9300**Customer Service:** (800) 367-4226**24 HR. EMERGENCY TELEPHONE NUMBERS****Poison Control Center (Medical):** (800) 222-1222**CHEMTREC (US Transportation):** (800) 424-9300**CHEMTREC (International):** +1 (703) 741-5970

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(s)	*	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 if symptoms persist.**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. Reclaim 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 TOXICITY

DERMAL LD₅₀: > 2000 mg/kg

ORAL LD₅₀: > 2000 mg/kg

SERIOUS EYE DAMAGE/IRRITATION: Not a primary irritant.

RESPIRATORY OR SKIN SENSITISATION: None Expected.

GERM CELL MUTAGENICITY: None Expected.

CARCINOGENICITY

NOTES: Contains no ingredient listed as a carcinogen.

REPRODUCTIVE TOXICITY: None Expected.

STOT-REPEATED EXPOSURE: 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.

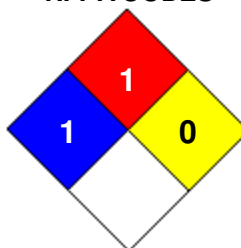
14. TRANSPORT INFORMATION

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.**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** All components listed or exempt.**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30**CALIFORNIA PROPOSITION 65:** This product does not contain any chemicals at detectable levels known to the State of California to cause cancer, birth defects, or any other reproductive harm.**CLEAN WATER ACT:** This material does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.**CANADA****DOMESTIC SUBSTANCE LIST (INVENTORY):** All components are listed or exempt.**16. OTHER INFORMATION****REASON FOR ISSUE:** Updated to GHS Format with GHS classification**APPROVED BY:** Lindsay Myers **TITLE:** Global Regulatory Manager**PREPARED BY:** Carolina Cardenas **Date Revised:** 06/10/2019**REVISION SUMMARY:** This SDS replaces the 04/09/2019 SDS. Revised: **Section 15: CERCLA REGULATORY, TSCA REGULATORY, TSCA STATUS.****HMIS RATING**

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

NFPA CODES**MANUFACTURER DISCLAIMER:** The information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.