

## SAFETY DATA SHEET



Date Issued : 03/05/2015  
 SDS No : 0116  
 Date Revised : 01/04/2022  
 Revision No : 2

## ZEROL® 400CA (4311-65)

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ZEROL® 400CA (4311-65)  
**PRODUCT DESCRIPTION:** Synthetic Alkylate

**MANUFACTURER**

Shrieve Chemical Products  
 1442 Lake Front Circle, Suite 500  
 The Woodlands, TX 77380  
**Emergency Contact:** Lindsay Myers  
**Emergency Phone:** (800) 424-9300  
**Customer Service:** (800) 367-4226

**DISTRIBUTOR**

Nu-Calgon  
 2611 Schuetz Road  
 St. Louis, MO 63043  
**Emergency Phone:** 800-554-5499

**24 HR. EMERGENCY TELEPHONE NUMBERS**

Poison Control Center (Medical):(800) 222-1222  
 CHEMTREC (US):(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, CO<sub>2</sub>, 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:** 185°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:** 74 cSt at 40°C.

**VISCOSITY #2:** 6.8 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 LD<sub>50</sub>:** > 2000 mg/kg

**ORAL LD<sub>50</sub>:** > 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****Safety, health and environmental regulations/legislation specific for the substance or mixture**

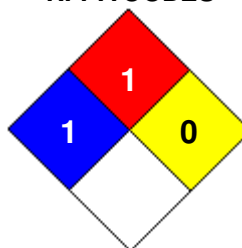
Country or region	Inventory List	On Inventory (yes/no)
Australia	Australian Inventory of Industrial Chemicals (AIIC)	Yes
China	Inventory - China - Inventory of Existing Chemical Substances (IECSC)	Yes
New Zealand	Inventory - New Zealand - Inventory of Chemicals (NZIoC)	Yes
United States of America	TSCA (Toxic Substances Control Act) Inventory List	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes

**Chemical Safety Assessment**

California Prop. 65 Statement: This product does not require a warning under California Prop. 65.

**16. OTHER INFORMATION****REASON FOR ISSUE:** Updated to GHS Format with GHS classification**APPROVED BY:** Lindsay Myers **TITLE:** Global Regulatory Manager**PREPARED BY:** C.Cardenas **Date Revised:** 01/04/2022**REVISION SUMMARY:** This SDS replaces the 06/10/2019 SDS. Revised: **Section 15.****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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