



Safety Data Sheet

ZEROL® 300 (4311-07, 4311-05, 4311-01)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Trade Name: ZEROL® 300 (4311-07, 4311-05, 4311-01) **Change Date** 6/9/22
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1.2 Relevant identified uses of the substance or mixture and uses advised against

Synthetic Alkylate.

1.3 Details of the supplier of the safety data sheet

Shrieve Chemical Products

1442 Lake Front Circle

Suite 500

THE WOODLANDS, TX 77380 US

phone: (800) 367-4226 Customer Service

e-mail: cust-serv@shrieve.com

website: www.shrieve.com

DISTRIBUTOR

Nu-Calgon

2611 Schuetz Road

St. Louis, MO 63043

Emergency Phone: 800-554-5499

1.4 Emergency telephone number

CHEMTREC 800-424-9300 (US)
+1-703-741-5970 (International)

Additional Information

Poison Control: (800) 222-1222

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

2.2 Label elements

Signal Word No Signal Word

Hazard Statements

Precautionary Statements

2.3 Other hazards

No information available.

2.4 Unknown Acute Toxicity (US)

No information available.

SECTION 3: Composition/information on ingredients

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Chemical Name	CAS Number	EC #	Concentration % by Weight	Classification
ZEROL® 300 (4311-07, 4311-05, 4311-01)			100	

Additional Information

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

No hazards which require special first aid measures.

After inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

After skin contact

Wash skin with soap and plenty of water for precaution. Wash clothing before reuse.

After eye contact

Flush eyes with plenty of water for precaution.

After ingestion

Rinse mouth with water. Drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Self-protection of the first aider

No information available.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO2.

Unsuitable extinguishing media

Avoid use of water jet for extinguishing.

5.2 Special hazards arising from the substance or mixture

Some may burn but none ignite readily. Containers may explode when heated.

5.3 Advice for firefighters

Move containers from fire area if you can do it without risk. Substance may be transported hot. Runoff may cause pollution. Dike fire-control water for later disposal; do not scatter the material. Move containers from fire area if you can do it without risk. Fire involving Tanks: Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. ALWAYS stay away from tanks engulfed in fire.

Additional Information

Keep adjacent containers cool with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do it without risk. Please note that materials and conditions to be avoided. Ventilate the contaminated area. Do not touch or walk through spilled material. Do not enter areas which have more than 23.5% oxygen in the atmosphere, without respirator or air supplied mask.

6.2 Environmental precautions

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Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Small Spill: Flush area with flooding quantities of water. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Large Spill: Dike far ahead of liquid spill for later disposal.

With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

6.4 Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wash hands thoroughly after handling. Caution: High temperature.

7.2 Conditions for safe storage, including any incompatibilities

Store in a closed container. Store in a dry place. Store in a closed container.

7.3 Incompatibilities/Specific end uses(s)

Incompatibilities No information available.

Specific end use(s) No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No information available.

8.2 Engineering Controls/Exposure Controls

Engineering controls

Ensure adequate ventilation at places where dust is formed. Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls

No information available.

8.3 Protective Measures

Eye/face protection

Wear safety glasses with side shields (or goggles) or a face shield.

Hand protection

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

Other Skin protection

Wear protective clothing appropriate to the risk of exposure.

Other protection

No information available.

Respiratory protection

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.

General hygiene consideration

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

Thermal hazards

No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Property	Value
Appearance	Liquid.
Autoignition Temperature	No information available.
Boiling Point	421.34°F/216.3°C.
Decomposition Temperature	No information available.

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Density	0.80-0.90 (68°F/20°C).
Evaporation Rate	No information available.
Flash Point	338-356°F/170-180°C.
Melting/Freezing Point	No information available.
Molecular Weight	170.33.
Odor	No information available.
Odor Threshold (Detection)	No information available.
Solubility	0.000202 mg/l.
Vapor Density	No information available.
Vapor Pressure	0.00062 Pa (77°F/25°C).
Viscosity	45-55 cSt (104°F/40°C).
pH Value	No information available.

9.2 Other information

SECTION 10: Stability and Reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Avoid excessive heat, sparks or open flames.

10.5 Incompatible materials

Combustible material, stimulus toxic gas.

10.6 Hazardous decomposition products

Under normal conditions, no hazardous decomposition products should be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Source

Skin contact	No information available.
Eye contact	No information available.
Inhalation	No information available.
Ingestion	No information available.
Symptoms related to characteristics	No information available.
Acute effects	No information available.
Chronic effects	No information available.

Numerical measures of Toxicity

No information available.

Skin corrosion/irritation	Not an irritant.
Serious eye damage/eye irritation	Not an irritant.
Respiratory sensitization	Not expected.

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Skin sensitization	Not expected.
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA.
Germ cell mutagenicity	No information available.
Reproductive toxicity	Not expected.
Specific target organ toxicity - single exposure	Not expected.
Specific target organ toxicity - repeated exposure	Not expected.
Aspiration hazard	No information available.

SECTION 12: Ecological information

12.1 Toxicity

Not classified as an environmental hazard.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional Information

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Handling for disposal

No information available.

Methods of disposal

Dispose of contents/container to a licensed contractor or facility in accordance with local, state and federal regulations. Materials are suitable for burning or disposal at a supervised incineration facility.

Contaminated packaging

Clean container thoroughly and dispose to licensed disposal contractor.

SECTION 14: Transport Information

D.O.T./ADR/RID - Ground transportation

14.1 UN number

No information available.

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14.2 UN proper shipping name	Not regulated for transportation by DOT, TDG, IMDG, and ICAO/IATA.
14.3 Transport hazard class(es)	
14.4 Packing group	
Air transport (ICAO/IATA)	
14.1 UN number	No information available.
14.2 UN proper shipping name	Not regulated for transportation by DOT, TDG, IMDG, and ICAO/IATA.
14.3 Transport hazard class(es)	
14.4 Packing group	
Sea transport (IMDG)	
14.1 UN number	No information available.
14.2 UN proper shipping name	Not regulated for transportation by DOT, TDG, IMDG, and ICAO/IATA.
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	
	No information available.
14.6. Special precautions for user	
	No information available.
14.7. Transport in bulk according to Annex II of Marpol112 and the IBC Code	
	No information available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Country or region	Inventory List	Listed or Exempt (yes/no)
Canada	Canada Domestic Substance List (Canada DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
European Union	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
South Korea	Korea Existing Chemicals Inventory (KECI / KECL)	Yes
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Yes
Philippines	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States of America	U.S. - Toxic Substances Control Act (TSCA) - Inventory list	Yes
Vietnam	The Vietnam National Chemicals Inventory (NCI)	Yes

15.2 Chemical Safety Assessment

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

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SECTION 16: Other Information

Specific Hazard N/A

HMIS Ratings

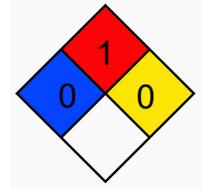
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

0 - Normal Material

1 - Above 200°F

0 - Stable, even under fire conditions and will not re-act with water, etc.

NFPA



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.

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