

**Section 1: Product and Company Identification**

Product Name: zMAX Boltlube Aerosol

Product Code: 50502

MANUFACTURER'S NAME: CHICAGO AEROSOL - BRIDGEVIEW FACILITY

ADDRESS 8407 S. 77th Avenue  
Bridgeview, IL 60455 USA

EMERGENCY PHONE 708-598-7100

INFORMATION PHONE 708-598-7100

Product Use: Firearm Lubricant

**Section 2: Hazards Identification**

**GHS CLASSIFICATION**

Flammable aerosol 1  
Gas under pressure Liquefied gas

**SIGNAL WORD: DANGER**

**Hazard Statements**

Extremely flammable aerosol. Contains gas under pressure; may explode if heated.

**Precautionary Statements**

Keep away from heat/sparks/open flames/hot surfaces - No smoking

Do not spray on an open flame or other ignition source

Pressurized container - Do not pierce or burn, even after use

Protect from sunlight. Store in well ventilated place

Protect from sunlight. Do not expose to temperatures exceeding 50° C/122°F

**Section 3: Composition / Information on Ingredients**

Chemical Name	CAS No.	Percent
ÖÖÖÉFÉÖPÖÉÁPUTUÚUSŸTÖÜÁPYÖÜUÖÖPÆVÖÖ	îî€Hî€€FÉI	îHèì€
YPQVÒÀTQPÖÜÆŠÀUQŠ	ì€IGÈIîÉÍ	G€Èì€
ÓVVÆPÒ	F€îÉJîÉì	FFÉF€
ÚÚUÚÆPÒ	ïîÉJîÉì	HÈJ€

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## Section 4: First Aid Measures

**EYE CONTACT:** Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

**SKIN CONTACT:** Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

**INHALATION:** Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped.

**INGESTION:** Not likely a route of exposure.

**Most important symptoms/effects, acute and delayed:** Repeated exposure may cause skin dryness or cracking. May cause drowsiness or dizziness.

**Indication of immediate medical attention and special treatment needed:** None known.

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## Section 5: Fire Fighting Measures

**Suitable and unsuitable extinguishing media:** Foam, Alcohol foam, CO<sub>2</sub>, Dry chemical, Water fog. Water spray may be ineffective.

**Specific hazards arising from the chemical:** Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

**Special equipment and precautions for firefighters:** Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. Wear goggles and use self-contained breathing apparatus. If water is used, fog nozzles are preferred.

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## Section 6: Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

**Methods and materials for containment and cleaning up:** Clean up with absorbent material and place in closed containers for disposal.

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## Section 7: Handling and Storage

**Precautions for safe handling:** Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally. See product label for additional information.

**Conditions for safe storage, including incompatibilities:** Store and use in cool, dry, well-ventilated areas. Do not store above 120°F.

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## Section 8: Exposure Control / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
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Y PÖVÖÁ TQ PÖÜCEŠÁUQŠ îî€ĒĒĒĒĒĒĒ	ÚÖŠĒV Y CEKÁ T ä • cÁ Ī Á { *D { H	VŠXĒV Y CEKÁ T ä • cÁ Ī Á { *D { H	
ÓWVCEPÖ FĒĪĒJĒĪ	P [cÁ^ • cæà   ä • @^â	V Y CEKÁ FĒĒĒĒĒ ] {	
ÚÜUÚCEPÖ ĪĪĒĪĪĪ	P [cÁ^ • cæà   ä • @^â	V Y CEKÁ FĒĒĒĒĒ ] {	

**Occupational exposure limits:** None established.

**Engineering controls:** Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**Personal protective equipment:**

**Eye/face protection:** Not required with expected use.

**Skin and body protection:** Not required with expected use.

**Respiratory protection:** Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General hygiene considerations:** Wash hands and any exposed skin thoroughly after handling. See 29 CFR 191.132-138 for further guidance.

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## Section 9: Physical and Chemical Properties

<p><b>Appearance/physical state:</b> Liquid</p> <p><b>Color:</b> Light red</p> <p><b>pH:</b> 6.7-8.7</p> <p><b>Melting point/freezing point:</b> No information available</p> <p><b>Boiling point/boiling range:</b> 100°C/212°F</p> <p><b>Flash point:</b> &gt;100°C/&gt;212°F estimated</p> <p><b>Evaporation rate:</b> &lt; 10 (BuAc = 1)</p> <p><b>Flammability (solid,gas):</b> No information available</p> <p><b>Upper flammability limit:</b> No information available</p> <p><b>Lower flammability limit:</b> No information available</p>	<p><b>Odor:</b> Pleasant</p> <p><b>Vapor pressure:</b> No information available.</p> <p><b>Vapor density:</b> No information available.</p> <p><b>Specific gravity:</b> 0.999</p> <p><b>Solubility(ies):</b> Soluble in water.</p> <p><b>Partition coefficient:</b> No information available.</p> <p><b>Autoignition temperature:</b> No information available.</p> <p><b>Decomposition temperature:</b> No information available.</p> <p><b>Viscosity:</b> No information available.</p>
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## Section 10: Stability and Reactivity

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Not expected to occur with normal handling and storage.

**Conditions to avoid:** Extremes of temperature and direct sunlight.

**Incompatible materials:** Strong oxidizing agents. Strong acids.

**Hazardous decomposition products:** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

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## Section 11: Toxicological Information

**Likely routes of exposure:** Eyes, skin, ingestion, inhalation.

**Symptoms of exposure:**

-**Eye contact:** Pain and redness

-**Skin contact:** Drying of the skin

-**Inhalation:** Nasal discomfort and coughing

-**Ingestion:** Pain, nausea, vomiting and diarrhea.

**Immediate, delayed, chronic effects:** Product information: Data not available or insufficient for classification.

**Numerical measures of toxicity:**

The following acute toxicity estimates (ATE) are calculated based on the GHS document. Data not available or insufficient for classification.

Component Acute Toxicity Information			
Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
<b>Carcinogenicity:</b> No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.			

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## Section 12: Ecological Information

**Exotoxicity:**

**Persistence and degradability:** No information available.

**Bioaccumulation:** No information available.

**Other adverse effects:** No information available.

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## Section 13: Disposal Considerations

**Dispose of wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging:** Dispose of in accordance with federal, state and local regulations.

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## Section 14: Transport Information

**DOT:**

**Proper Shipping Name:** Non-hazardous product

**Special provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

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## Section 15: Regulatory Information

**TSCA status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313:** This product does not contain listed substances above the "de minimus" level.

**SARA 311/312 Hazard Categories:**

<b>Acute health hazard:</b>	Yes
<b>Chronic health hazard:</b>	No
<b>Fire hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive hazard:</b>	No

**California Proposition 65:** This product is not subject to warning requirements under California Proposition 65.

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## Section 16: Other Information

**NFPA:**

**Health hazards:** 1      **Flammability:** 0      **Instability:** 0      **Special:** N/A

**HMIS:**

**Health hazards:** 1      **Flammability:** 0      **Physical hazards:** 0

Date revised: 2018-07-11

Reasons for revision: New Product

**DISCLAIMER:**

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End of Safety Data Sheet