

Safety Data Sheet  
zMAX Bore Cleaner & Conditioner Aerosol

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**Section 1: Product and Company Identification**

Product Name: zMAX Bore Cleaner & Conditioner Aerosol

Product Code: 50501

MANUFACTURER'S NAME: OIL-CHEM RESEARCH CORP.

ADDRESS 5283 HIGHWAY 49 S,  
HARRISBURG, NC 28075 USA

EMERGENCY PHONE 708-598-7100

INFORMATION PHONE 888-645-1101 Business Hours

Product Use: Firearm Lubricant

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**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

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

Chemical Name	CAS No.	Percent
WHITE MINERAL OIL	8042-47-5	88.00
PROPANE	74-98-6	6.10
BUTANE	106-97-8	5.90

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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. Get medical attention.

**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 fire-fighters:** 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
WHITE MINERAL OIL 8042-47-5	PEL-TWA: Mist 5 mg/m <sup>3</sup>	TLV-TWA: Mist 5 mg/m <sup>3</sup>	
PROPANE 74-98-6	Not established	TWA: 1000 ppm	
BUTANE 106-97-8	Not established	TWA: 1000 ppm	

**Appropriate engineering controls:** Ventilation should be sufficient to prevent inhalation of any vapors. General dilution and/or local exhaust ventilation in volume to keep PEL/TLV of most hazardous ingredient below acceptable limit and below stated limit.

**Individual protection measures:**

**Eye protection:** None under normal use. However, use of safety glasses with splash guards or full face shield should be used if indicated.

**Protective gloves:** None under normal use. Use solvent-resistant for prolonged or repeated contact.

**Respiratory protection:** None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved air line respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

**Other protective clothing or equipment:** None under normal use. However, use solvent-resistant aprons or other clothing is recommended. Eye washes and safety showers in the workplace are recommended.

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## Section 9: Physical and Chemical Properties

<b>Appearance:</b> Aerosol product	<b>Odor:</b> Mild hydrocarbon
<b>Vapor Pressure:</b> Not determined	<b>Odor Threshold:</b> Not determined.
<b>Vapor Density:</b> Heavier than air	<b>pH:</b> Not applicable.
<b>Density:</b> Not determined	<b>Melting Point:</b> Not determined.
<b>Freezing Point:</b> Not determined	<b>Solubility:</b> Not determined.
<b>Boiling Point:</b> Not determined	<b>Flash Point:</b> Not determined.
<b>Evaporation rate:</b> Slower than ether	<b>Flammability:</b> Level 3 Aerosol.
<b>Explosive Limits:</b> Not applicable	<b>Partition Coefficient (n-octanol/water):</b> Not determined.
<b>Autoignition Temperature:</b> Not determined	<b>Decomposition Temperature:</b> Not determined.
<b>Viscosity:</b> Not determined	

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## Section 10: Stability and Reactivity

**Reactivity:** Not reactive under normal conditions of use.

**Chemical stability:** Stable under normal storage and handling conditions.

**Possibility of hazardous reactions:** None known.

**Incompatible materials:** None known.

**Hazardous decomposition products:** Carbon dioxide, carbon monoxide and other toxic fumes.

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## Section 11: Toxicological Information

Long term toxicological studies have not been conducted for this product.

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## Section 12: Ecological Information

Long-term ecological studies have not been conducted for this product.

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## Section 13: Disposal Considerations

Dispose of in accordance with federal, state and local regulations. Before attempting clean up, refer to other sections of this document for hazard cautionary information.

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## Section 14: Transport Information

By land: DOT Proper Shipping Name: None required per 49 CFR 173.306(i) for products that conform to the Limited Quantity provisions. Commodity shipping description: Lubricant, NOI

By water: DOT & IMDG Proper Shipping Name: UN1950, Aerosols, 2.1, LTD QTY

By air: DOT & IATA Proper Shipping Name: UN1950, Aerosols, flammable, 2.1, LTD QTY (packing instruction Y203 applies)

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## Section 15: Regulatory Information

All ingredients are either listed on the TSCA Inventory or are exempt

This product can expose you to chemicals including those listed below, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

-None

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## Section 16: Other Information

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End of Safety Data Sheet