



# Anti-Seize Advanced Lube Compound™

NFPA Codes	
Health	1
Flammability	1
Reactivity	0
Special	-

## Section 1 - Product Identification

Product Name: Anti-Seize Advanced Lube Compound™  
 Product Part Number: ASALC  
 Product Type: Anti-Seize

## Section 2 - Hazardous Ingredients / Identity Information

Hazardous Ingredients	CAS Number	%	Exposure Limits
Aluminum	(CAS# 7429-90-5)	10-20	TLV-TWA 10/mg/m3
Graphite	(CAS# 7782-42-5)	10-20	TLV 2.5 mg/m3 respirable dust

Note: The OSHA exposure limits for aluminum represent exposure for "Total Dust" and "Respirable Fraction", respectively.

## Special Hazard Designations

This product contains no carcinogens in concentrations of 0.1 % or greater.  
 DOT (49CFR172) Not regulated  
 OSHA (29CFR1910.1200) Evaluation: Non hazardous  
 RCRA (40CFR261) Evaluation: Non hazardous  
 EPA/TSCA Listed Ingredients: None

## Section 3 - Health Hazard Data

### Routes of Entry:

**Inhalation** – Respiratory Protection: Use NIOSH approved dust/mist respirator when grinding or machining coating or coated items. This product contains encapsulated aluminum and graphite powder. No exposure to free respirable aluminum or graphite is anticipated during normal usage of this product

**Skin** – No

**Ingestion** – No

**Health Hazards (Chronic):** None Known

### Carcinogenicity:

This product contains no carcinogens in concentrations of 0.1% or greater.

NTP – No

IARC Monographs – No

OSHA Regulation – No

### Signs and Symptoms of Exposure:

**Eyes** – Mechanical Irritant, prolonged exposure may cause irritation.

**Inhalation** – This material contains encapsulated graphite powder. No exposure to free respirable graphite powder is anticipated during the normal usage of this product. However, repeated and prolonged inhalation of graphite or carbon dusts may cause pulmonary fibrosis, emphysema, and pneumoconiosis.

**Ingestion** – Moderately irritating by ingestion.

**Skin** – In contact with the skin, product acts as a slight local irritant and allergen.

**Medical Conditions Generally Aggravated by Exposure:** None Known. Preexisting pulmonary and dermatological disorders may be aggravated by exposure to hazardous components.

## Section 4 - Emergency and First Aid Procedures

**Eyes:** Remove any contact lenses. Flush eyes with water for 15 minutes while holding eyelids open. If irritation persists get medical attention.

**Inhalation:** First Aid not anticipated to be needed.

**Ingestion:** If ingested get medical attention. Dilute stomach contents with milk or water. If vomiting occurs, keep head below hips to prevent aspiration into the lungs. Never give anything by mouth to an unconscious person.

**Skin:** Wash thoroughly with soap and water. Launder soiled clothing before reuse. Get medical attention if irritation occurs. High pressure injection under the skin requires immediate medical attention

## Anti-Seize Advanced Lube Compound

### Section 5 - Fire and Explosion Hazard Data

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Flash Point (ASTM D-93) 235° F

Flammable Limits-Lower: N/A Upper: N/A

Combustion Products: Carbon monoxide, carbon dioxide, products of incomplete hydrocarbon combustion.

Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical, Water Fog & Sand.

Special Fire Fighting Procedures: Standard fireman's protection and self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None known.

### Section 6 - Accidental Release Measures

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**Wear appropriate personal protection equipment** (See Section 8).

**Steps to be taken in case material is released or spilled:** Attempt to recover. Pick up small spills with shovel or spatula. Clean small residue amount with soap and water. Clean large amount with suitable oil absorbent. Keep material out of sewers and waterways. Advise appropriate authorities if large amount of product enters waterways or large land areas.

**Waste Disposal Method:** Comply with all governmental regulations.

### Section 7 - Precautions for Safe Handling, Use & Storage

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**Steps to be taken in case material is released or spilled:** Attempt to recover. Pick up small spills with shovel or spatula.

**Waste Disposal Method:** Comply with all governmental regulations.

**Precautions to be taken in Handling and Storage:** Do not store containers in direct sunlight; keep containers away from excessive heat, and in a cool dry place. Store below 140° F. Keep away from strong acids and oxidizers.

### Section 8 - Control Measures

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**Respiratory Protection:** Use NIOSH approved dust/mist respirator when grinding or machining coating or coating items. This product contains encapsulated aluminum and graphite powder. No exposure to free respirable aluminum or graphite is anticipated during normal usage of this product.

**Ventilation – Local Exhaust:** Acceptable.

**Protective Gloves:** Neoprene Coated Gloves, if prolonged or repeated contact is unavoidable.

**Eye Protection:** Chemical safety goggles or face shield should be worn to avoid eye contact.

**Other Protective Clothing and Equipment:** As required to minimize exposure.

**Work/Hygienic Practices:** Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking or leaving work area.

### Section 9 - Physical & Chemical Characteristics

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Boiling Point: N/A

Vapor Pressure (mm Hg.): N/A

Vapor Density (Air =1 ): N/A

Solubility in Water: Insoluble

Insoluble in alcohols and petroleum distillates

Viscosity: Cone penetration (ASTM D-217) 180-220

Appearance / Odor: Silver / Grease

Specific Gravity (H<sub>2</sub>O = 1 ): 1.1

Melting Point: None

NLGI Consistency Number = 000 (Pourable Liquid)

### Section 10 - Stability & Reactivity Data

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**Stability:** Material is chemically stable.

**Conditions to avoid:** Extreme heat.

**Incompatibility (materials to avoid):** Acids, strong alkalis, strong bases, strong oxidizers, silver chloride, iodates, chlorinated hydrocarbons, oxides, nitrates, nitrites, carbon disulfide, chlorides, sodium peroxide plus carbon dioxide, sulfur dichloride, palladium, magnesium, magnesium plus potassium chlorate, sodium carbonate, sulfates, diborane, amines chronic anhydride, peroxides, chlorates.

**Hazardous Decomposition Products:** Aluminum acts with water, acids and alkalis to form combustible hydrogen gas. Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide. Oxides of Carbon when burned.

**Hazardous Polymerization:** Will not occur under normal conditions.

## Anti-Seize Advanced Lube Compound

### Section 11 - Toxicological Information

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**Acute toxicity:** N/A

**Carcinogenicity:** This product contains no carcinogens in concentrations of 0.1% or greater.

**Corrosivity:** N/A

**Germ Cell Mutagenicity:** N/A

**Irritation:** May cause mild redness or discomfort with eye contact.

**Sensitization:** N/A

### Section 12 - Ecological Information

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Non-hazardous. Environmentally Friendly.

### Section 13 - Disposal Consideration

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Disposal should be in accordance with Federal and State Regulations.

### Section 14 - Transport Information

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N/A Material is non-hazardous – not regulated by DOT or IMDG. Material is not dangerous or hazardous for transport by IATA. Use DOT proper Shipping Name.

### Section 15 - Regulatory Information

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This product contains the following toxic chemical, subject to the reporting requirements of Section 313 of the Emergency Planning and community Right-to-Know Act of 1986 and 40 CFR 372 = Aluminum (CAS #7429-90-5) 10-20%.

#### State Regulations

**California Prop. 40:** Ingredients listed.

**Massachusetts Right to Know:** Ingredients listed.

**New Jersey Right to Know:** Ingredients listed

**Pennsylvania RTK Hazardous Substances:** Ingredients listed.

**United States inventory (TSCA):** All ingredients listed or exempt.

#### US Regulations

Aluminum (CAS # 7429-90-5) 10-20% is in this product and is subject to the reporting requirements of SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4)

#### International Regulations

**Canada: WHMIS Classification: Not controlled. WHMIS:** This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

**Canada Domestic Substances List:** All ingredients listed or exempt.

**Europe Inventory (EINECS):** All ingredients listed or exempt.

**Australia Inventory (AICS):** All ingredients listed or exempt.

**China Inventory (IECSC):** All ingredients listed or exempt.

**New Zealand Inventory of Chemicals (NZIoC):** All ingredients listed or exempt.

**Philippines Inventory (PICCS):** All ingredients listed or exempt.

### Section 16 - Other

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None

This document is prepared pursuant to the OSHA Hazard Communication Standard (29CFR1910.1200). The information herein is given in good faith, but no warranty, express or implied, is made. Consult Dualco Inc. for further information: 713-644-1164.

**Abbreviations:** N/A: Not Applicable N/D: Not Determined.