

# MATERIAL SAFETY DATA SHEET

Effective January 1, 2009

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## Alum-A-Lub Aerosol Lubricating Cleaner

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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*Product Name:* Alum-A-Lub Lubricating Cleaner

*Product Code:* 73-90 0357-03

*Customer:* Alum-A-Lub

*MANUFACTURER:*

Novus Evoco  
620 Spirit of St Louis Blvd.  
Chesterfield, MO 63005-1005

*Emergency Response:*

Chemtrec: 1-800-424-9300

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

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| CHEMICAL NAME                 | CAS NUMBER | OSHA PEL | ACGIH TLV |
|-------------------------------|------------|----------|-----------|
| Petroleum Hydrocarbon Naphtha | 64742-88-7 | 100 ppm  | 100 ppm   |
| Petroleum Hydrocarbons        | 64742-65-0 | 5 mg/m3  | 5 mg/m3   |
| Esters                        | 628-63-7   | 100 ppm  | 100 ppm   |
| Surfactant                    | 68037-64-9 | Not Est. | Not Est.  |
| Propane                       | 14-98-6    | 1000 ppm | 1000 ppm  |
| Isobutane                     | 75-28-5    | Not Est. | 800 ppm   |

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### 3. HAZARDS IDENTIFICATION

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#### POTENTIAL HEALTH EFFECTS

##### Symptoms of Overexposure:

*Eyes:* May cause irritation, burning sensation or watering.

*Skin:* May cause irritation, itching, dryness or redness.

*Ingestion:* May cause nausea, headache or vomiting.

*Inhalation:* Over exposure may cause nausea, dizziness, headache and upper respiratory discomfort.

##### Carcinogenic Status of Ingredients

International Association for Research on Cancer (IARC) Not a carcinogen

National Toxicology Program (NTP) Not a carcinogen

American Conference of Governmental Industrial Hygienists (ACGIH) Not listed.

Occupational Safety and Health Administration (OSHA) Not listed

California Proposition 65 (See Section 15)

##### Medical Condition Aggravated by Exposure

Skin sensitivity, chemical allergies

##### Primary Routes of Entry:

Ingestion, inhalation, skin contact, eye contact.

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## 4. FIRST AID MEASURES

*Eyes:* Flush with water for 15 minutes. If irritation persists, seek medical attention

*Skin:* Wash with soap and water. If irritation persists, seek medical attention.

*Ingestion:* Do not induce vomiting. Seek medical attention

*Inhalation:* Remove to fresh air. Administer oxygen if breathing is difficult.

*Note to physician:* No data.

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## 5. FIRE FIGHTING MEASURES

*Flash Point Pensky Marten (PMCC):* Not established

*Flame Projection:* Over 18" (Flammable)

*Explosive Limits:* Not Established

*Autoignition Temperature:* No Data

*Hazardous Products of Combustion:* May form carbon monoxide

*Fire and Explosion Hazards:* Exposure to temperature above 120 degrees Fahrenheit may cause bursting

*Extinguishing Media:* Carbon Dioxide, Standard Foam, Dry Chemical, and Halon.

*Fire Fighting Instructions:* Wear self-contained breathing apparatus.

|                    |           |                 |               |
|--------------------|-----------|-----------------|---------------|
| <i>NFPA Rating</i> | Health: 1 | Flammability: 4 | Reactivity: 0 |
|--------------------|-----------|-----------------|---------------|

|                    |           |                 |               |
|--------------------|-----------|-----------------|---------------|
| <i>HMIS Rating</i> | Health: 1 | Flammability: 4 | Reactivity: 0 |
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## 6. ACCIDENTAL RELEASE MEASURES

*Small Spills:* Absorb liquid on vermiculite, floor absorbent or other absorbent material.

*Large Spills:* Evacuate area. Remove all source of ignition. Contain liquid. Prevent run-off to sewer.

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## 7. HANDLING AND STORAGE

Do not store where temperatures exceed 120 degrees Fahrenheit.

Keep out of reach of children.

Wash hands before eating or smoking after using aerosol.

National Fire Protection Association (NFPA) 30 B Storage Level Number - 3

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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*Eye Protection:* Safety goggles. For short usage none required. *Skin Protection:* Rubber gloves. For short usage none required.

*Respiratory Protection:* Not required. *Engineering Control:* Not required.

*Exposure Guidelines:* General ventilation recommended to control the level of vapors.

*See Section 2 for TLV's.*

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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*Boiling Point (C.):* 280 F as a liquid

*Specific Gravity (H<sub>2</sub>O = 1 @ 25 C.):* 0.780 as a liquid

*Vapor Pressure (psig 25 C.):* 55 psig

*Vapor Density (Air = 1):* >1

*Evaporation Rate (Butyl Acetate = 1):* < 1

*pH (C 25 C):* Not applicable

*Solubility in water:* Negligible

*Appearance:* Straw colored liquid

*Odor:* Banana odor

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## 10. STABILITY AND REACTIVITY

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*Hazardous Polymerization:* Product will not undergo hazardous polymerization.

*Hazardous Decomposition:* Open flames may produce carbon monoxide.

*Chemical Stability:* Stable

*Incompatibility:* Avoid contact with strong oxidizing agent or heat.

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## 11. TOXICOLOGICAL INFORMATION

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*Primary routes of entry:* Ingestion, inhalation, skin contact, eye contact.

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## 12. ECOLOGICAL INFORMATION

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No data.

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## 13. DISPOSAL CONSIDERATION

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*Waste management information:* Dispose of in accordance with all applicable local, state and federal regulations.

Wrap empty container in paper and place in trash.

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## 14. TRANSPORT INFORMATION

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*Department of Transportation (DOT) Information:* 49 Code of Federal Regulation (CFR) 172.101

*DOT Description:* Consumer Commodity

*DOT Hazard Class:* Other Regulated Material (ORM)-D

*Container / Mode:* 12 oz. Aerosol Can

*United Nations Identification (UN ID) Number:* 1950

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## 15. REGULATORY INFORMATION

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### US FEDERAL REGULATIONS:

VOCs (Volatile Organic Compounds) 80.0%

*TSCA (Toxic Substances Control Act) Status:* All ingredients are listed that require listing

*CERCLA RQ (Comprehensive Environmental Response, Compensation, and Liability Act) (Reportable Quantity)*  
– 40 CFR (Code of Federal Regulations) 302.4: Not applicable to aerosol quantities

| SARA (Superfund Amendments & Reauthorization Act) 313 | Ingredients | Percent |
|-------------------------------------------------------|-------------|---------|
| Ingredient (s) - 40 CFR 372.65                        | None        | None    |

### STATE AND LOCAL REGULATIONS:

*California Proposition 65:* No Proposition 65 ingredients

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## 16. OTHER INGREDIENTS

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The information contained herein is based on the data available to us and is believed to be correct. However, Novus Evoco makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof.

Novus Evoco assumes no liability for injury from the use of the product described herein.

Ingredients are listed in Section 2 if they present a physical or health hazard and are present at or above 1.0% in the mixture. If an ingredient is identified as a carcinogen by NTP, IARC, ACGIH or OSHA as of the date on the MSDS, it will be listed in Section 3 when present at or above 0.1% in the product. Negative statements concerning carcinogenicity are not reported. Other ingredients may be listed if deemed appropriate. Additional health information may be found in Section 3..

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