



**ANTI-SEIZE TECHNOLOGY**  
A.S.T. Industries, Inc.

# OPEN GEAR LUBE, Aerosol SAFETY DATA SHEET

## Section 1- Product and Company Identification

**Product Code:** 17055

**Manufacture/Supplier :** Anti-Seize Technology  
2345 N. 17<sup>th</sup> Ave.  
Franklin Park, IL 60131

**Phone:** 847-455-2300

**Fax:** 847-455-2371

**Web:** antiseize.com

**Emergency Phone, 24 hr:** Infotrac @ 1-800-535-5053 ( US & Canada )  
1-352-323-3500 ( International )

**Web:** infotrac.net

**Product Use:** Aerosol lubricant

**Restriction of Use:** Use only as directed

**Date:** January 19,2020

## Section 2-Hazard Identification

### Classification:

Aerosol – Category 1  
Gases under pressure-Liquefied Gas  
Aspiration hazard - Category 1  
Germ Cell Mutagenicity-Category 1B  
Carcinogenicity-Category 1B  
Reproductive Toxicity - Category 2

### Label Elements:



### Signal word:

Danger

### Hazard Statements – Physical:

H222- Extremely flammable aerosol

H280- Contains gas under pressure; may explode if heated

### Hazard Statements- Health:

H304 - May be fatal if swallowed and enters airways.

H350- May cause cancer

H340- May cause genetic defects

H361 - Suspected of damaging fertility or the unborn child.

**Precautionary Statements – General:**

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.

**Precautionary Statements – Prevention:**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources, No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear protective gloves, protective clothing, eye protection and face protection.

**Precautionary Statements – Response:**

P308 + P313 - IF exposed or concerned: Get medical advice/attention.  
P301 + P310 - IF SWALLOWED: Immediately call a poison center or doctor/physician.  
P331 - Do NOT induce vomiting

**Precautionary Statements – Storage:**

P405 - Store locked up  
P410 - Protect from sunlight  
P412 - Do not expose to temperatures exceeding 50 C/ 122F.

**Precautionary Statements – Disposal:**

P501 - Dispose of contents and container in accordance with all local, regional, national, and international regulations.

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

CHEMICAL	CAS NUMBER	PERCENT
Petroleum gases, Liquefied, sweetened	68476-86-8	15-25
Calcium Carbonate	471-34-1	11-24
Bitumen's	8052-42-4	9-20
Grease, lubricant for gear, No. 4803	Proprietary	10-20
Isoparaffinic Petroleum Distillate	64742-47-8	6-14
Mineral Sprits	64741-41-9	4-8
Hexane	110-54-3	2-5
Alkanes, C14-16, chloro	1372804-76-6	1.3-3
Propylene Glycol monomethyl ether acetate	108-65-6	0.1-1.2

The specific identity and/or exact percentage of composition has been withheld as a trade secret

## Section 4 – First Aid Measures

### **Inhalation:**

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.

Eliminate all ignition sources if safe to do so.

### **Eye Contact:**

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do.

Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

### **Skin Contact:**

Take off immediately all contaminated clothing, shoes, and leather goods ( e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. Call a POISON CENTER/doctor if you feel unwell. Store contaminated clothing under water and wash before reuse or discard.

### **Ingestion:**

Rinse mouth. Do NOT induce vomiting. Immediately call POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

## Section 5 – Fire Fighting Measures

### **Suitable Extinguishable Media:**

Use water, fog, dry chemical, or carbon dioxide. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

### **Unsuitable Extinguishable Media:**

Water may be ineffective but can be used to cool containers exposed to heat or flame.

### **Specific Hazards in Case of Fire:**

Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Aerosol Cans may rupture when heated.

Heated cans may burst.

In fire, will decompose to carbon dioxide, carbon monoxide.

### **Fire-Fighting Procedures:**

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

**Special Protective Actions:**

wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear. Care should always be exercised in dust/mist areas.

<b>Section 6 – Accidental Release Measures</b>
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**Emergency Procedure:**

Flammable/combustible material.

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area) Stay upwind: out of low areas. Immediately turn off or isolate any source of ignition. Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately. Use absorbent sweeping compound to soak up material and put into suitable container for proper disposal.

**Recommended Equipment:**

Wear safety glasses and gloves.

**Personal Precautions:**

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area.) Use explosion proof equipment. Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

**Environmental Hazards:**

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers

<b>Section 7 – Handling and Storage</b>
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**General:**

For industrial and institutional use only.

For used by trained personnel only.

Keep away from children.

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

**Ventilation Requirements:**

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

**Storage Room Requirements:**

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated areas away from heat, direct sunlight, and incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous.

Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty them. Ground all structures, transfer containers and equipment to conform to the national electrical code. Use procedures that prevent static electrical sparks. Static electricity may accumulate and create fire hazard.

Store at temperatures below 120°F.

<b>Section 8 – Exposure Controls / Personal Protection</b>
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**Eye Protection:**

Chemical goggles, safety glasses with side shields or vented/splash proof goggles, Contact lenses may absorb irritants. Particles may adhere to lenses and cause corneal damage.

**Skin Protection:**

Wear gloves, long sleeved shirt, long pants and other protective clothing as required to minimize skin contact.

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Chemical-resistant clothing is recommended to avoid prolonged contact. Avoid unnecessary skin contact.

**Storage Room Requirements:**

CHEMICAL NAME	EXPOSURE LIMITS
Bitumen's	0.5 mg/m <sup>3</sup> , ACGIH TWA A4 ACGIH Carcinogen
Hexane	500 ppm OSHA TWA 50 ppm NIOSH TWA 50 ppm ACGIH TWA
Mineral Sprits	2000 mg/m <sup>3</sup> OSHA TWA 500 ppm OSHA TWA
Isoparaffinic petroleum distillate	500 ppm OSHA TWA 2000 mg/m <sup>3</sup> OSHA TWA
Petroleum Gases, liquefied, sweetened	2000mg/m <sup>3</sup> OSHA TWA 500 ppm OSHA TWA

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the exposure limits. If the product is used at high temperatures, local exhaust ventilation may be required.

**Individual Protection Measures:**

**Respiratory Protection:** In operations where the occupational exposure limits are exceeded, a NIOSH approved respirator with organic vapor/particulate cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**Skin Protection:** Impervious gloves such as rubber or Nitrile recommended where needed to avoid prolonged skin contact. Chemical resistant clothing is also recommended to avoid prolonged contact. Avoid unnecessary skin contact.

**Eye Protection:** Safety glasses or goggles recommended where needed to avoid eye contact.

**Section 9 – Physical and Chemical Properties**

<b>Appearance:</b> Dark brown aerosol liquid	<b>Vapor Density (air = 1):</b> slower than ether
<b>Odor:</b> solvent like until dry	<b>Specific Gravity:</b> 0.8
<b>Odor Threshold:</b> Not established	<b>Water Solubility:</b> Not soluble
<b>pH:</b> Not available	<b>Octanol/Water Partition Coefficient:</b> Not available
<b>Melting Point/Freezing Point:</b> No data	<b>Autoignition Temperature:</b> Not available
<b>High Boiling Point:</b> 156°F	<b>Decomposition Temperature:</b> Not available
<b>Flash Point:</b> <73°F	<b>Viscosity:</b> Not available
<b>Evaporation Rate:</b> Slower than Ether	<b>Explosion Properties:</b> None
<b>Flammable Limits:</b> LEL: 1 UEL: 9.5	<b>Oxidizing Properties:</b> Not oxidizing
<b>Vapor Pressure:</b> 1605.27 mmHg (Calculated @ 20°C,68°F )	<b>Aerosol Fire Protection Level:</b> Level 2 Aerosol, ( NFPA 30B)
<b>VOC Content:</b> 3.40 lb/gal  <b>VOC:</b> 45.2 %	<b>Flammability (solid, gas):</b> Propellant is a flammable gas.

**SECTION 10- STABILITY AND REACTIVITY**

**Stability**

Stable

**Conditions to Avoid**

High temperatures

**Incompatible Materials**

None known

**Hazardous Reactions/Polymerization**

Will not occur

**Hazardous Decomposition Products**

In fire, will decompose to carbon dioxide, carbon monoxide

## Section 11 – Toxicological Information

### **Skin Corrosion/Irritation**

No data available

### **Serious Eye Damage/Irritation**

Causes serious eye irritation

### **Likely Routes of Exposure**

Inhalation, Ingestion, Skin absorption

### **Carcinogenicity**

May cause cancer

### **Germ Cell Mutagenicity**

May cause genetic defects

### **Reproductive Toxicity**

Suspected of damaging fertility or the unborn child

### **Respiratory/Skin Sensitization**

No data available

### **Specific Target Organ Toxicity- Single Exposure**

No data available

### **Specific Target Organ Toxicity- Repeated Exposure**

No data available

### **Aspiration Hazard**

May be fatal if swallowed and enters airways

### **Acute Toxicity**

No data available

### **Potential Health Effects-Miscellaneous**

#### 91-20-3 Naphthalene

Is an IARC, NTP and OSHA carcinogen. Tests in some laboratory animals demonstrate carcinogenic activity. Increase susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: , liver. Recurrent overexposure may result in liver or kidney injury. **WARNING:** This chemical is known to the State of California to cause cancer.

#### 100-41-4 Ethyl Benzene

Is an IARC, NTP and OSHA carcinogen. Tests in some laboratory animals demonstrate carcinogenic activity. Increase susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: Kidneys, liver, lungs. Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects. **WARNING:** This chemical is known to the State of California to cause cancer.

#### 108-88-3 Toluene

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, respiratory system, skin. Can be absorbed through the skin in harmful amounts. Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heartbeats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing defects. The significance to humans is unknown. **WARNING:** This chemical is known to the State of California to cause birth defects or other reproductive harm.

8052-42-4 Bitumen's

Is an IARC carcinogen. Occupational exposure to straight run bitumen's and their emissions during road paving are possibly carcinogenic to humans ( group 2B)

## Section 12 – Ecological Information

### Toxicity

Harmful to aquatic life with long lasting effects

### Persistence and Degradability

No data available

### Bio-accumulative Potential

No data available

### Mobility in Soil

No data available

### Other Adverse Effects

No data available

## Section 13 – Disposal Consideration

### Water Disposal

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld, or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse

## Section 14- Transport Information

**DOT Proper Shipping Name:** UN1950, Aerosols, 2.1, Limited Quantity

**DOT Technical Name:** None

**DOT Hazard Class:** 2.1

**UN Number:** UN1950

**DOT Labels Required (49CFR172.101):** LTD QTY

**IMDG Shipping Description:** UN1950, Aerosols, 2.1, FP -17 C, Limited Quantity, Marine Pollutant

**ID Number:** UN1950

**Hazard Class:** 2.1

**Packing Group:** None

**Labels Required:** None

**Marking Required:** Limited Quantity Mark

**Placards Required:** Limited Quantity and Marine Pollutant Mark On Transport Containers

### ICAO/IATA

**Proper shipping name:** Aerosol, Flammable

**Hazard Class:** 2.1

**Identification Number:** UN 1950

**Packing Group:** None



## Section 15 – Regulatory Information


**Safety, health, and environmental regulations specific for the product in question.**

**CERCLA Hazardous Substances (Section 103)/RQ:** Hexane

**SARA Hazard Category (311/312):** Petroleum gases, liquefied, sweetened, calcium carbonate, bitumen's, isoparaffinic petroleum distillates, mineral spirits, hexane, propylene glycol monomethyl ether acetate,

**SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313: Cumene, Naphthalene, Ethyl Benzene, Benzene, Toluene ( all trace amounts)

**EPA TSCA Inventory:** All of the components of this product are listed on the TSCA inventory.

**CALIFORNIA PROPOSITION 65:**  **WARNING:** This product can expose you to Hexane which is known to the State of California to cause male reproductive toxicity. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

## Section 16 – Other Information:

The information contained herein is based on data considered accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of his product. Therefore, because the product may be used under conditions beyond our control, we assume no liability for its use.