

# 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:** Jan 12 2018

## Section 2-Hazard Identification

**GHS Classification ( Hazcom 2012):**

Specific Target Organ Toxicity – Repeated Exposure – Category 2

Aspiration Hazard – Category 1

Skin Irritation – Category 3

Eye Irritation – Category 2A

Aerosol – Category 1

Flammable Liquids, Category 2

Chronic Aquatic toxicity – Category 3

Reproductive Toxicity – Category 2

**Label Elements:**



**Signal word:**

Danger

**Hazard Phrases – Physical:**

Highly flammable liquid and vapor

Extremely flammable aerosol, Pressurized container may burst if heated

**Hazard Phrases- Health**

May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
Causes serious eye irritation  
Causes mild skin irritation  
Suspected of damaging fertility or the unborn child

**Hazard Phrases – Environmental:**

Harmful to aquatic life with long lasting effects

**Precautionary Phrases – General:**

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

**Precautionary Phrases – Prevention:**

Keep away from heat, hot surfaces, open flames and other ignition sources. No smoking  
Avoid release to environment  
Wear protective; Eye protection  
Do not spray on open flame or other ignition sources  
Do not pierce or burn even after use  
Do not breath fumes/gas/mist/vapors/spay  
Wash thoroughly after handling  
Do not handle until all safety precautions have been read and understood

**Precautionary Phrases – Response:**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower  
If skin irritation occurs: Get medical attention  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.  
Continue rinsing.  
If eye irritation persists: Get medical advice/attention

**Precautionary Phrases – Storage:**

Keep cool  
Store in well ventilated place  
Store locked up  
Protect from sunlight  
Do not expose to temperatures exceeding 50°C/ 122°F

**Precautionary Phrases – Disposal:**

Dispose of contents/ container to approved landfill.

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

CHEMICAL	CAS NUMBER	PERCENT
Stoddard Solvent	8052-41-3	15-30
Asphalt, oxidized	64742-93-4	10-25
Mineral oil, Petroleum distillates, hydrotreated (mild) Heavy paraffinic	64742-54-7	10-20
Propane	74-98-6	7-14

Butane	106-97-8	4-8
Hexane	110-54-3	2-5
Isobutane	75-28-5	2-5

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

#### Section 4 – First Aid Measures

**Eye:** Flush eyes with water, holding the eyelids apart. Get medical attention if irritation develops or persists.

**Skin:** Wash thoroughly with plenty of water. Get medical attention if irritation persists.

**Inhalation:** Remove to fresh air and keep comfortable for breathing. If irritation occurs, get medical attention.

**Ingestion:** If large amounts ingested, seek medical attention.

**Most Important symptoms and effects, both acute and delayed:** None known.

**Indication of any immediate medical attention and special treatment needed:** Immediate medical attention generally not required.

#### Section 5 – Fire Fighting Measures

**Suitable and Unsuitable Extinguishing Media:** Use water spray or fog, foam, carbon dioxide or dry chemical.

**Special Hazards Arising from the Chemical:** This compound will not burn unless it is pre-heated. Water fog may be used to cool the containers but do not spray directly into large containers of burning liquids as frothing may occur. Dense smoke and noxious or toxic fumes may be generated in a fire. The thermal decomposition products are highly dependent upon the combustion conditions. Noxious or toxic fumes may be generated, some of which may be toxic or irritating.

**Special Equipment and Precautions for Fire-Fighters:** Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

#### Section 6 – Accidental Release Measures

**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:**

Positive pressure, full-face piece self contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

**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.

**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear appropriate personal protective equipment. Use caution: slip hazard.

**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. Report spills and releases as required to appropriate authorities.

**Methods and Material for Containment and Cleaning Up:** Because of its viscous nature, this product is not expected to leak or spill. Collect liquid spill with an inert absorbent material and place into a suitable container for disposal.

**Section 7 – Handling and Storage**

**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.

**Section 8 – Exposure Controls / Personal Protection**

CHEMICAL NAME	EXPOSURE LIMITS
STODDARD SOLVENT	500ppm, OSHA TWA 100ppm, ACGIH, TWA
BUTANE	250 ppm NIOSH TWA 1000 ppm ACGIH TWA
HEXANE	500 ppm OSHA TWA

	50 ppm NIOSH TWA 50 ppm ACGIH TWA
ISOBUTANE	800 ppm NIOSH TWA 1000 ppm ACGIH TWA
ISOPARAFFINIC PETROLEUM DISTILLATE	500 ppm OSHA TWA
MINERAL OIL, PETROLEUM DISTILLATES, Hydrotreated (mild) Heavy Paraffinic	500 ppm OSHA
H-HEPTANE	500 ppm OSHA 85 ppm NIOSH 400 ppm ACGIH 500 ppm ACGIH STEL
PROPANE	1000 ppm TWA OSHA PEL

**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> Black 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>Boiling Point:</b> No Data	<b>Decomposition Temperature:</b> Not available
<b>Flash Point:</b> No data	<b>Viscosity:</b> Not available
<b>Evaporation Rate:</b> Slower than Ether	<b>Explosion Properties:</b> None

<b>Flammable Limits:</b> <b>LEL:</b> 1 <b>UEL:</b> 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: Level 2 Aerosol, ( NFPA 30B)</b>
<b>VOC Content:</b> 430 g/l  <b>VOC:</b> 43%	<b>Flammability (solid, gas): Propellant is a flammable gas.</b>

**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:** No data

**Hazardous Decomposition Products:** The thermal decomposition products are highly dependent upon the combustion conditions. Noxious or toxic fumes may be generated, some of which may be toxic or irritating.

#### Section 11 – Toxicological Information

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

#### Section 12 – Ecological Information

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

#### Section 13 – Disposal Consideration

**Waste disposal:** Dispose of in a responsible manner. Follow local, state and federal guidelines. Do not discharge into sewers or waterways. Refer to other sections of this document for hazard cautionary information.

#### 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

<b>Section 15 – Regulatory Information</b>
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**Safety, health, and environmental regulations specific for the product in question.**

**CERCLA Hazardous Substances (Section 103)/RQ:** None

**SARA Hazard Category (311/312):** Fire Hazard, Pressure Hazard, Acute Health

**SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313: None

**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)

<b>Section 16 – Other Information:</b>
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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.