



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

GRAPHITE SPRAY DRY FILM LUBRICANT SAFETY DATA SHEET

Section 1- Product and Company Identification

Product Code: 17041

Manufacture/Supplier : Anti-Seize Technology
2345 N. 17th 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: Dry film lubricant

Date: January 22, 2021

Section 2-Hazard Identification

GHS Classification (Hazcom 2012):

Extremely flammable aerosol

Contains gas under pressure: may explode if heated

Causes serious eye irritation

May damage fertility or the unborn child

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

Label Elements:



Signal word:

DANGER

Hazard Phrases:

Extremely Flammable aerosol.

Contains gas under pressure; may explode if heated.

Causes serious eye irritation

May damage fertility or the unborn child

May cause drowsiness or dizziness

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Precautionary Phrases:**Prevention**

Obtain special instructions before use
Keep away from heat/sparks/open flames/hot surfaces-No smoking
Do not spray on an open flame or other ignition source.
Wash hands thoroughly after handling.
Pressurized container: Do not pierce or burn, even after use.
Do not breathe dust/fume/gas/mist vapors/spray
Wash thoroughly after handling
Use only outdoors or in a well ventilated area
Wear protective; eye protection, face protection

Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor if you feel unwell.

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 attention.

Storage

Store in a well-ventilated place.
Store locked up.
Protect from sunlight.
Do not expose (store) at temperatures exceeding 50°C / 122°F.

Disposal

Dispose of contents in accordance with local, regional and national regulations.

Other Hazards: None

Section 3- Composition/ Information on Ingredients

CHEMICAL	CAS NUMBER	PERCENT
Acetone	67-64-1	30-50
Toluene	108-88-3	1-5
Isopropyl Alcohol	67-63-0	5-15
Graphite	7782-42-5	1-5
Propane	74-98-5	5-15
Butane	106-97-8	5-15

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. Remove contact lenses if present and easy to do, continue rinsing . Get medical attention if irritation develops or persists.

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

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

Ingestion: Not a likely source of exposure. If large amounts ingested, seek medical attention.

Most Important symptoms and effects, both acute and delayed: Repeated exposure may cause skin dryness or cracking. May cause drowsiness and dizziness.

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: Closed containers may explode from internal pressure build up when exposed to extreme heat and discharge contents. Liquid content of container will support combustion. 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. Fog nozzles are preferred.

Section 6 – Accidental Release Measures

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

Environmental Hazards: Report spills and releases as required to appropriate authorities.

Methods and Material for Containment and Cleaning Up: Collect liquid spill with an inert absorbent material and place into a suitable container for disposal.

Section 7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid breathing vapors and mists. Use with adequate ventilation. Keep away from heat sources. Contents under pressure. Do not puncture or incinerate container. Do not smoke while using.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, well-ventilated area at temperatures below 120°F. Do not store in direct sunlight.

Section 8 – Exposure Controls / Personal Protection

CHEMICAL NAME	EXPOSURE LIMITS
Acetone	1000 ppm OSHA TWA 250 ppm NIOSH TWA 500 ppm ACGIH TWA
Toluene	200ppm PEL OSHA 150ppm/560mg/m ³ REL OSHA 400ppm/ 984mg/m ³ ST, OSHA
Isopropyl alcohol	200 ppm TWA ACGIH TLV 400 ppm STEL ACGIH TLV 400 ppm TWA OSHA PEL
Graphite	2 mg/m ³ TWA ACGIH TLV respirable 15 mg/m ³ TWA OSHA PEL total dust

	5 mg/m ³ TWA OSHA PEL respirable fraction
Butane	800 ppm NIOSH TWA 1000 ppm ACGIH TWA
Propane	1000 ppm OSHA TWA 1000 ppm NIOSH TWA
Glycol Ether	150ppm/540mg/m ³ ST REL OSHA 100ppm/360mg/m ³ LT REL OSHA 100ppm/ 369mg/m ³ ST TLV OSHA

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 .

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

Section 9 – Physical and Chemical Properties

Appearance: Black colored liquid, Aerosol	Vapor Density (air = 1): Heavier than air
Odor: aromatic	Specific Gravity: 0.7-0.8
Odor Threshold: Not established	Water Solubility: Nil
pH: Not available	Octanol/Water Partition Coefficient: Not available
Melting Point/Freezing Point: No Data	Autoignition Temperature: Not available
Boiling Point: -44° C (-47° F)	Decomposition Temperature: Not available
Flash Point: -19° C , (-2° F)	Viscosity: Not available
Evaporation Rate: Slower than ether	Explosion Properties: In use, may form flammable/explosive vapor-air mixture
Flammable Limits: LEL: 1.5 Vol % UEL: 12 Vol %	Oxidizing Properties: Not oxidizing
Vapor Pressure: Not established	Aerosol Fire Protection Level: Level 3 aerosol

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

Conditions to Avoid: Use with strong oxidizing chemicals such as concentrated acids.

Incompatible Materials: Avoid strong oxidizing agents and acids.

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.

Isopropyl Alcohol

Oral, LD50 4,570mg/kg, Rat

Dermal LD50 13,400mg/kg, Rabbit

Inhale LC50/4hr 30mg/l , Rat

Glycol ether PM

Oral LD50 5,000mg/kg, Rat

Dermal LD50 13,500mg/kg, Rabbit

Inhale LC50/4hr 6mg/l, Rat

Potential Health Effects:

Eye: May cause mild irritation.

Skin: Prolonged contact may cause mild irritation of the skin.

Inhalation: No adverse effects expected at ambient temperatures. Inhalation of vapors and fumes from thermal decomposition may cause respiratory irritation .

Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea

Chronic Hazards: Prolonged inhalation of thermal decomposition products may result in lung damage.

Carcinogen Status: None of the components of this product are listed as carcinogens by IARC, NTP or OSHA.

Section 12 – Ecological Information

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

Aquatic Toxicity: Hazardous for water, do not empty into drains

Persistence and degradability: The product is degradable after prolonged exposure to natural weathering processes.

Bioaccumulative Potential: No Data

Mobility in Soil: No Data

Other Adverse Effects: No Data

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. Incineration is the preferred method of disposal, although it may be landfilled at an approved facility.

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,

ID Number: UN1950

Hazard Class: 2.1

Packing Group: None

Labels Required: None

Marking Required: Limited Quantity Mark

Placards Required: Limited Quantity

ICAO/IATA

Proper shipping name: Aerosol, Flammable

Hazard Class: 2.1

Identification Number: UN 1950

Packing Group: None

Section 15 – Regulatory Information

CERCLA Hazardous Substances (Section 103)/RQ: Not subject to the reporting requirements.

SARA Section 355: None of the ingredients listed

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: Isopropyl alcohol, Toluene

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

Canadian DSL: All ingredients listed or exempted

CALIFORNIA PROPOSITION 65: Warning: This product can expose you to Toluene a chemical known to the State of California to cause birth defects or reproductive harm

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.