



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

# AST-PENETRANT II™ Bulk SAFETY DATA SHEET

## Section 1- Product and Company Identification

**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:** Loosen rusted parts

**Date:** June 26 2017

## Section 2-Hazard Identification

**GHS Classification ( Hazcom 2012):**

Flammable Liquid, Category 2  
Skin corrosion / irritation, Category 3  
Eye Damage / irritation, Category 2B  
Aspiration Hazard, Category 1

**Label Elements:**



**Signal word:**

Danger

**Hazard Phrases:**

Highly flammable liquid and vapor  
May be fatal if swallowed and enters airways  
Caused mild skin irritation  
Caused eye irritation

**Precautionary Phrases:**

Keep away from heat / sparks / open flames / hot surfaces-No smoking  
 Keep container tightly closed  
 Ground / bond container and receiving equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Wash Hands thoroughly after handling  
 Wear protective gloves / protective clothing / eye protection / face protection  
 Do **NOT** induce vomiting

**Response:**

**IF IN EYES:** Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. If eye irritation persists: Get medical attention.

**IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician

**IF IN EYES:** Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do-continue rinsing.  
 If eye irritation persists: Get medical attention.

**IF ON SKIN:** ( or hair ) : Remove / Take off immediately all contaminated clothing. Wash area with soap and water Rinse skin with soap, water/shower.  
 If skin irritation persists: Get medical attention.

**Storage:**

Store in well ventilated place. Keep cool.  
 Store locked up.

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

<b>Section 3- Composition/ Information on Ingredients</b>
---

CHEMICAL	CAS NUMBER	PERCENT
Petroleum Distillate	8052-41-3	79.9
Petroleum oil	64742-52-5	11.7
2-Butyoxyethanol	111-76-2	2.4

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

<b>Section 4 – First Aid Measures</b>
---------------------------------------

**Eye:** Flush eyes with water, holding the eyelids apart. Remove contact lenses if present, 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. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

**Ingestion:** If swallowed, don NOT induce vomiting. Get medical attention.

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

**Indication of any immediate medical attention and special treatment needed:** None known

### 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 goggles and a NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. A fog nozzle is preferred.

### Section 6 – Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear appropriate personal protective equipment. Avoid breathing vapors. Ventilate area. Remove all ignition sources. Use caution: slip hazard.

**Environmental Hazards:** 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

**Precautions for Safe Handling:** Keep closure tight and container upright to prevent leakage. Open container slowly. Avoid contact with eyes. Avoid prolonged skin contact. Do not take internally. Do not transfer to unlabeled containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store away from extreme heat and open flames. Store away from oxidizers.

### Section 8 – Exposure Controls / Personal Protection

CHEMICAL NAME	EXPOSURE LIMITS
Petroleum Distillate	400 ppm, TLV-TWA, ACGIH
Petroleum oil	5mg/m <sup>3</sup> , 8hr, OSHA 5mg/m <sup>3</sup> , 8hr, TLV
2-Butoxyethanol	50ppm PEL-TLV, OSHA 20ppm, TLV-TWA

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the exposure limits.

**Individual Protection Measures:**

**Respiratory Protection:** None under normal use. Avoid breathing vapors. 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.

**Other protective clothing or equipment:** None under normal use. However, use of solvent resistant aprons or other clothing is recommended. Eye washes and safety showers in the workplace are recommended.

**Section 9 – Physical and Chemical Properties**

<b>Appearance:</b> Light amber liquid	<b>Vapor Density:</b> Heavier than air
<b>Odor:</b> Solvent	<b>Specific Gravity:</b> 0.78
<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> Not determined	<b>Autoignition Temperature:</b> Not available
<b>Boiling Point:</b> 320°F	<b>Decomposition Temperature:</b> Not available
<b>Flash Point:</b> Greater than 105°F	<b>Viscosity:</b> Not available
<b>Evaporation Rate:</b> Slower than ether	<b>Explosion Properties:</b> None
<b>Flammable Limits:</b> <b>LEL:</b> Not established <b>UEL:</b> Not established	<b>Oxidizing Properties:</b> Not oxidizing
<b>Vapor Pressure:</b> Not established	<b>Aerosol Fire Protection Level:</b> Not applicable

**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.

#### **Potential Health Effects:**

**Eye:** May cause mild irritation.

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

**Inhalation:** . 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

**Ecotoxicity:** Long term ecological studies have not been conducted on 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. Incineration is the preferred method of disposal, although it may be landfilled at an approved facility.

### Section 14- Transport Information

**SHIPMENT BY LAND:** Not Regulated

**SHIPMENT BY WATER:** DOT Proper Shipping Name: UN1993, Flammable Liquid, n.o.s. ( Petroleum Distillates),3,III

**SHIPMENT BY AIR:** DOT Proper Shipping Name: UN1993, Flammable Liquid, n.o.s. ( Petroleum Distillates),3,III

### Section 15 – Regulatory Information

All ingredients are either listed on TSCA inventory or are exempt.

### 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.