



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

# ALL-PURPOSE 4-WAY™ PENETRANT / LUBRICANT, Bulk SAFETY DATA SHEET

## Section 1- Chemical Product and Company Identification

**MANUFACTURE / SUPPLIER:** Anti-Seize Technology  
2345 N. 17th Ave.  
Franklin Park, IL 60131  
Phone: 847-455-2300  
Toll Free: 800 991-1106  
Web: antiseize.com

**Information Phone Number:** 847-455-2300, 800-991-1106

**Emergency Phone Number:** Infotrac 24/7 Phone: 1-800-535-5053 ( US & Canada)  
or 352-323-3500 (International)

**Product Use:** Penetrating Oil

**Restriction on Use:** None known

**SDS Date of Preparation:** March 2, 2016

## SECTION 2: HAZARDS IDENTIFICATION

### GHS Classification ( OSHA HazCom 2012)

Flammable liquid-Category 2  
Skin Corrosion/irritant-Category 3  
Eye Damage/irritant-Category 2B  
Aspiration Hazard-Category 1

### Label Elements:



### Hazard Phrases:

Danger

### Hazard Statements:

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

**Precautionary Phrases:****Prevention:**

Keep away from heat/sparks/open flames/hot surfaces –No smoking  
Keep container tightly closed  
Take precautionary measures against static discharge.  
Use explosion proof electrical/ventilating/lighting equipment  
Wear Protective gloves/protective clothing/eye protection/face protection

**Response:**

IF SWALLOWED : Do not induce vomiting. Immediately call a POISON CONTROL center or doctor/physician.  
IF ON SKIN (or hair):Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with soap and water. If skin irritation occurs: Get medical advice.  
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 advice/attention.

In case of fire use CO2, Foam, alcohol foam, Dry chemical, water fog. Water spray may be ineffective

**Disposal:**

Store locked up  
Store in well ventilated place. Keep cool  
Dispose of content/container to comply with all local, State and Federal regulations.

**Other Hazards:** None

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| <b>SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS</b> |
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| Chemical Name           | CAS#       | %     |
|-------------------------|------------|-------|
| Petroleum Distillates   | 8052-41-3  | 80-90 |
| 2-Butoxyethanol ( skin) | 111-76-2   | 1-10  |
| Petroleum oil           | 64742-52-5 | 1-5   |

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

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| <b>SECTION 4: FIRST AID MEASURES</b> |
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**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. Avoid breathing mist or vapor. Use personal protection equipment if exposure exceeds limits.

**Ingestion:** If large amounts ingested, seek medical attention. Do not induce vomiting as the substance may be aspirated into lungs.

**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

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

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

**Methods and Material for Containment and Cleaning Up:** Clean up with absorbent material and place in closed container for disposal.

## SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes. Avoid prolonged skin contact. Do not transfer to unlabeled containers. Avoid breathing vapor or mist. Do not take internally.

**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 Distillates   | 100ppm, OSHA PEL<br>100ppm ACGIH, ( inhalable)  |
| 2-Butoxyethanol ( skin) | 50ppm OSHA PEL, skin<br>240mg/m <sup>3</sup> , ACGIH                                      |
| Petroleum oil           | 5mg/m <sup>3</sup> as mist, 8 hr, OSHA PEL<br>5mg/m <sup>3</sup> as mist, 8 hr, ACGIH TLV |

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the exposure limits. General dilution and/or local exhaust ventilation in volume to keep PEL/TLV of the most hazardous ingredient below acceptable limit and the LEL below stated limits.

**Individual Protection Measures:**

**Respiratory Protection:** None under normal conditions of use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapors. In confined areas, use an approved air line respirator or hood. Self-contained breathing apparatus is required

for vapor concentrations above PEL/ TLV limits.

**Skin Protection:** Protective gloves are not required under normal conditions of use. 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

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| <b>Appearance:</b> light amber colored liquid            | <b>Vapor Density (air = 1):</b> heavier than air          |
| <b>Odor:</b> Slight petroleum like odor                  | <b>Specific Gravity:</b> 0.78                             |
| <b>Odor Threshold:</b> Not established                   | <b>Water Solubility:</b> limited solubility               |
| <b>pH:</b> neutral                                       | <b>Octanol/Water Partition Coefficient:</b> Not available |
| <b>Melting Point/Freezing Point:</b> Not available       | <b>Autoignition Temperature:</b> Not available            |
| <b>Boiling Point:</b> 320°F                              | <b>Decomposition Temperature:</b> Not available           |
| <b>Flash Point:</b> >105°F                               | <b>Viscosity:</b> Not determined                          |
| <b>Evaporation Rate:</b> slower than ether               | <b>Explosion Properties:</b> None                         |
| <b>Flammable Limits:</b><br>LEL: No Data<br>UEL: No Data | <b>Oxidizing Properties:</b> Not oxidizing                |
| <b>Vapor Pressure:</b> Not established                   | <b>Aerosol Fire Protection Level:</b> Not applicable      |
| <b>VOC Content:</b> No Data                              | <b>Flammability (solid, gas):</b> Not available           |

#### 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.

**Potential Health Effects:**

**Eye:** May cause mild irritation.

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

**Inhalation:** This product has low volatility and so is not expected to cause respiratory tract irritation during normal conditions of use. Exposure to high mist levels in poorly ventilated areas may cause upper respiratory tract irritation and difficulty breathing. .

**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.

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| <b>SECTION 12: ECOLOGICAL INFORMATION</b> |
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**Ecotoxicity:**

No further information is available.

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**Other Adverse Effects:** None known

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| <b>SECTION 13: DISPOSAL CONSIDERATIONS</b> |
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Dispose in accordance with all local, regional and national regulations.

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| <b>SECTION 14: TRANSPORT INFORMATION</b> |
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**DOT**

**Proper Shipping Name:** Not Regulated

**DOT Technical Name:** Petroleum Distillates

**DOT Hazard Class:**

**UN Number:**

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

**IMDG**

**Shipping Description:** Flammable Liquid, n.o.s. (LTD QTY) up to 5 Liters

**ID Number:** UN1993

**Hazard Class:** 3

**Packing Group:** III

**Marking Required:** Flammable

**ICAO/IATA**

**Shipping Description:** Flammable Liquid, n.o.s. (LTD QTY) up to 5 Liters

**ID Number:** UN1993

**Hazard Class:** 3  
**Packing Group:** III  
**Marking Required:** Flammable

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| <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:** This product is not subject to reporting requirements under CERCLA. However, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Not Hazardous

**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:** This product is not known to contain listed chemicals.

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| <b>SECTION 16: OTHER INFORMATION</b> |
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**Revision Summary:** New format to comply with OSHA Hazcom 2012

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**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**