

## AST All Purpose Cleaner 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:**

**Restriction of Use:**

**Date:** Feb 22,2016

### Section 2-Hazard Identification

**GHS Classification ( Hazcom 2012):**

Skin Irritation—Category 3

Eye Irritation—Category 2

Acute Toxicity Oral Category 5

Aerosol—Category 3

Gas Under Pressure-Compressed Gas

**Label Elements:**



**Signal word:**

Warning

**Hazard Phrases:**

H229—Pressurized container, may burst if heated

H303—May be harmful if swallowed

H316—Causes mild skin irritation

H319—Causes serious eye irritation

**Precautionary Phrases: 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.

P264—Wash thoroughly after handling.

280—Wear eye protection/ face protection.

P251—Do not pierce or burn, even after use.

**Precautionary Phrases: Response**

PP332+P313—If skin irritation occurs: get medical advice/ attention.

P305+P351+P338—IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.

**Storage:**

P410—Protect from sunlight

P412—Do not expose to temperatures exceeding 122°F/50°C.

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

<b>Section 3- Composition/ Information on Ingredients</b>
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CHEMICAL	CAS NUMBER	PERCENT
WATER	7732-18-5	56-99
BUTANE	106-97-8	1-3
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	1-2
TETRAPOTASSIUM PYROPHOSPHATE	7320-34-5	0.1-2.6
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	0.1-1.4

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

<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.

**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.

<b>Section 5 – Fire Fighting Measures</b>
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**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 including carbon dioxide and carbon monoxide.

**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.

**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:** For industrial use only, keep away from children, only for use by trained personnel. Avoid contact with eyes. Avoid breathing vapors and mists. Use with adequate local 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
BUTANE	800 ppm NIOSH TWA 1000 ppm ACGIH TWA
DIETHYLENE GLYCOL MONOBUTYL ETHER	10 (IFV)
EHTYLENE GLYCOL MONOBUTYL ETHER	50 ppm OSHA TWA 5 ppm NIOSH TWA 20 ppm ACGIH

**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

<b>Appearance:</b> White foam	<b>Vapor Density (air = 1):</b> Slower than ether
<b>Odor:</b> Not available	<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>	<b>Autoignition Temperature:</b> Not available
<b>Boiling Point:</b> Not available	<b>Decomposition Temperature:</b> Not available
<b>Flash Point:</b> No flash point	<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
<b>VOC Content:</b> 4.99%	<b>Flammability (solid, gas):</b> No flash point

## 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 testing has not been performed on this product.**

## Section 12 – Ecological Information

**Long term Ecological testing has not been performed 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. Empty containers contain product residue, do not pressurize, cut, glaze, weld or use for any other purposes.

### Section 14- Transport Information

#### DOT

**Proper Shipping Name:** UN 1950 ,aerosols, Limited Quantity

**DOT Hazard Class:** 2.2

**UN Number:** UN 1950

**Packing Group:** None

#### IMDG

**Shipping Description:** Aerosols, Limited Quantity

**Hazard Class:** 2.2

**Identification Number:** UN 1950

**Packing Group:** none

#### ICAO/IATA

**Shipping Description:** Aerosols, non-flammable, Limited Quantity

**ID Number:** UN 1950

**Hazard Class:** 2.2

**Packing Group:** None

### Section 15 – Regulatory Information

**This product contains the following components listed in SARA section 312 Title III:** Butane, Ethylene Glycol Monobutyl Ether, Diethylene Glycol Monobutyl Ether, Tetrapotassium Pyrophosphate

**This product contains the following components listed in SARA section 313 Title III:** Ethylene Glycol Monobutyl Ether, Diethylene Glycol Monobutyl Ether

**This product contains the following components listed in CERCLA:** Ethylene Glycol Monobutyl Ether, Diethylene Glycol Monobutyl Ether

**This product contains the following components listed in TSCA:** Butane, Ethylene Glycol Monobutyl Ether, Diethylene Glycol Monobutyl Ether, Tetrapotassium Pyrophosphate, Water

### 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 this product. Therefore, because the product may be used under conditions beyond our control, we assume no liability for its use.

