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

TUF-SET™

PIPE THREAD SEALANT
SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Tuf-Set Pipe Thread Sealant

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

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

Product Use: Pipe Thread Sealant
Restriction on Use: None known

SDS Date of Preparation: August 22, 2025

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification (Hazcom 2024):

Flammable Solid Category 2
Eye Irritant Category 2
Specific Target Organ Toxicity – Single Exposure Category 1 (Narcotic effects)
Label Elements:

Signal Word :Danger



Hazard Phrases:
H225 Highly flammable liquid and vapor
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Precautionary Phrases:
Prevention:
P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P233 Keep container tightly closed.
P260 Do not breathe mist, vapor or fumes.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves and eye protection.

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical attention.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.

Storage:
P370+P378 In case of fire: Use **fog, foam, carbon dioxide or dry chemical** to extinguish.

Disposal:
P405 Store locked up
P501 Dispose of contents in accordance with local, regional and national laws.
Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
2-Propanol	67-63-0	15-25
Talc	14807-96-6	15-30
Resin	Proprietary	10-30
Calcium carbonate	471-34-1	4-9

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

SECTION 4: FIRST AID MEASURES

Eye: Flush eyes thoroughly with water for several minutes, 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: May cause serious eye irritation. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, drowsiness, nausea and unconsciousness.

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 fog, foam, carbon dioxide or dry chemical.

Special Hazards Arising from the Chemical: Hazardous decomposition compounds may yield acrid smoke and fumes, oxides of calcium and carbon and fumes of fluoride.

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: 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. Clean area thoroughly with mineral spirits.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged skin contact. Avoid inhalation. 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

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: Blue colored paste	**Vapor Density (air = 1):** Not available
Odor: Alcohol odor	**Specific Gravity:** 1.1
Odor Threshold: Not established	**Water Solubility:** Partial until dry
pH: Not available	**Octanol/Water Partition Coefficient:** Not available
Melting Point/Freezing Point: Not available	**Autoignition Temperature:** Not available
Boiling Point: 180ºF	**Decomposition Temperature:** Not available
Flash Point: 72 ºF (22.2° C)	**Kinematic Viscosity:** Not available
Evaporation Rate: Not available	**Explosion Properties:** None
Flammable Limits: **LEL**: Not established **UEL:** Not established	**Oxidizing Properties:** Not oxidizing
Relative Vapor Pressure: 30.75 mmHg@20ºC	**Aerosol Fire Protection Level:** Not applicable
VOC Content: 43%	**Flammability (solid, gas):** 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: Open flames and intense heat.

Incompatible Materials: None known.

Hazardous Decomposition Products: Hazardous decomposition compounds may yield acrid smoke, fumes of fluoride, oxides of calcium and oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: May cause serious eye irritation.
Skin: Prolonged contact may cause irritation and drying of the skin.

Inhalation: Inhalation of vapors and fumes from thermal decomposition may cause respiratory irritation and metal fume fever with symptoms of fever and chills. Inhalation of vapors may also cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, drowsiness, tingling, numbness and shooting pains in the hands and arms, tremors, narcosis, nausea, vomiting, and unconsciousness. High vapor concentrations may cause burning sensation of the nose and throat and watering of the eyes. Severe overexposures may cause respiration depression, blurred vision, blindness, anemia, liver and kidney damage, coma and death.
Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Chronic Hazards: Prolonged inhalation of mists or vapors may result in lung damage.

Carcinogen Status: No ingredient listed

Acute Toxicity Values:

Propyl alcohol: Oral rat LD50: 8,038 mg/kg, inhalation rat LC50 > 20000 ppm/1hr, Calcium Carbonate: Oral rat LD50 > 2000 mg/kg, inhalation rat LC50 > 3 mg/L, dermal rat LD50 > 2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

propyl alcohol: Pimephales promelas LC50 4,480 mg/L/96hr

Calcium Carbonate: Oncorhynchus mykiss LC50 > 100 mg/L/96hr

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, regional and national regulations.

SECTION 14: TRANSPORT INFORMATION

DOT
U.S. department of transportation ground (49 cfr):
Proper shipping name: resin solution
Hazard class or division: 3
Identification number: UN 1866
Packing group: III
Exceptions: (not more than 5 L), ORM-D, Consumer Commodity

(ICAO/IATA):
Proper shipping name: resin solution
Hazard class or division: 3

Identification number: UN 1866
Packing group: III
Exceptions: Consumer Commodity, ID 8000, class 9, (not more than 500 ml)

(IMO/IMDG):
Proper shipping name: resin solution
Hazard class or division: 3
Identification number: UN 1866
Packing group: III
Note: This product may be shipped as a limited quantity or ORM-D if the packaging meets the requirements.

SECTION 15: REGULATORY INFORMATION

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): Fire 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.

Canadian DSL List: All of the components of this product are listed on the DSL inventory.

Canadian Schedule 1 List: No chemicals listed are present.

REACH SVHC: No ingredients listed

CALIFORNIA PROPOSITION 65: This product is not known to contain listed chemicals.

SECTION 16: OTHER INFORMATION

Revision Summary: New format to comply with OSHA Hazcom 2024

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