AST-SEAL™ HD
PIPE SEALANT
SAFETY DATA SHEET

Section 1- Product and Company Identification

Product Part # : 22150,22151, 22152, 22154, 22153, 22110

Product type: Anaerobic Pipe thread sealant
Restrictions of Use: Use as directed.

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

Date: August 16, 2023

Section 2-Hazard Identification

GHS Classification (Hazcom 2012):
Skin Irritation Category 2
Eye Irritation Category 2A
Skin Sensitization Category 1
Specific Target Organ Category 3

Label Elements:

Signal word:

WARNING

Hazard Phrases:
May cause skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary Phrases:
Prevention

Do not breath vapors.
Do not eat, drink or smoke when using this product.
Do not get in eyes, on skin or on clothing.
Wash thoroughly after handling.
Use only outdoors or in well ventilated areas.
Contaminated work clothing should not be allowed out of the workplace.
Wear eye and face protection.
Wear protective gloves.
If medical advice is needed, have product container or label on hand.
Keep out of reach of children.

Response:

Eyes: Remove contact lenses if present and easy to do. Continue rinsing. Call a poison control center or trained medical personnel if you feel unwell If eye irritation persists: Get medical attention.
Skin: Wash with soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse.
Inhalation: Remove person to fresh air and keep comfortable for breathing.
Storage:
Store in well ventilated place.
Store in closed container.
Store in a well ventilated place. Keep container tightly closed.
Disposal: Dispose of contents in accordance with local, regional and national regulations.

Section 3- Composition/ Information on Ingredients

Ingredient	CAS #	%
Polyglycol Dimethyacrylate	25852-47-5	20-40
Polymeric plasticizer	25103-87-1	20-30
Fumed Silica	112945-52-5	1-5
Polyethylene	9002-88-4	5-10
Polytetrafluroethylene	9002-84-0	5-10
Titanium Dioxide	13463-67-7	1-5
Cumene Hydroperoxide	80-15-9	1-4

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

Section 4 – First Aid Measures

Eye: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Skin: Remove contaminated clothing. Wash exposed area with soap and water.
Inhalation: Supply fresh air; consult doctor in case of complaints.
Ingestion: Rinse mouth with water. Do not induce vomiting.
Most Important symptoms and effects, both acute and delayed: possible skin irritation

Indication of any immediate medical attention and special treatment needed:
Skin redness or rash.

Section 5 – Fire Fighting Measures

Extinguishing Media: Use water spray or fog, foam, carbon dioxide or dry chemical. Dry chemical is preferred.

Special Hazards Arising from the Product: Uncontrolled polymerization may occur at very high temperatures which could result in rupture of storage containers.

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 spray.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear gloves. Use absorbant material to soak up spills. Do not return spilled material to original container.

Environmental Hazards: Do not flush into waterways or into sewers.

Methods and Materials for Containment and Clean up.
For large spills evacuate and ventilate the area. Wear personal protective equipment during cleanup. Use absorbent material to soak up spills. Scrape up as much material as possible. Store in a partially filled closed container until disposal.

Section 7 – Handling and Storage

Precautions for Safe Handling: Use with adequate ventilation. Prevent contact with eye, skin and clothing. Do not breath vapors. Wash thoroughly after handling. Keep container closed. Do not transfer to unlabeled containers.

Conditions for Safe Storage, Including any Incompatibilities.
Store below 90°F. Store in well ventilated areas. Store away from heat, sparks, open flames. Keep container closed.

Section 8 – Exposure Controls / Personal Protection

	OSHA PEL	ACGIH TLV	Other
Polyglycol Dimethyacrylate	None	None	None
Polymeric plasticizer	None	None	None
Fumed Silica	10mg/m3 TWA	6mg/m3 TWA	3mg/m3 , dust
Polyethylene	None	None	
Polytetrafluroethylene	None	None	10mg/m3, dust
Cumene Hydroperoxide	None	None	6mg/m3, skin

Engineering controls:

Individual Protection Measures: Use with adequate ventilation to maintain worker exposure below exposure limits.

Respiratory Protection: Use NIOSH approved respirator if there is a potential to exceed the exposure limits.

Eye/Face Protection: Safety glasses with side splash shields are recommended. A face shield should be worn if there is potential for splashing or spraying exists. Eye wash stations should be available.

Skin Protection: If prolonged or repeated skin contact is expected, wear chemical resistant gloves such as nitrile or neoprene.

Section 9 – Physical and Chemical Properties

Appearance: White colored paste	**Vapor Density (air = 1):** >1
Odor: Mild odor	**Specific Gravity:** 1.1
Odor Threshold: Not established	**Water Solubility:** Not soluble
pH: Not available	**Octanol/Water Partition Coefficient:** Not available
Melting Point/Freezing Point: Not available	**Autoignition Temperature:** Not available

Boiling Point: >300°F	**Decomposition Temperature:** Not available
Flash Point: >200°F	**Viscosity:** Not available
Evaporation Rate: Not available	**Explosion Properties:** None
Flammable Limits: **LEL**: Not established **UEL:** Not established	**Oxidizing Properties:** Not oxidizing
Vapor Pressure: <5mm Hg	**Aerosol Fire Protection Level**: Does not apply
VOC Content: 0.15%	

Section 10 – Stability and Reactivity

Stability: Stable under normal conditions of use.
Chemical stability: Stable under normal storage and handling conditions. Polymerization may occur at elevated temperatures or in the presence of incompatible materials.
Conditions to avoid: Elevated temperatures. Heat, flames and other sources of ignition. Store away from incompatible materials
Incompatible Materials: Strong acids, alkalis and amines. Peroxides, free radical initiators. Other polymerization initiators.
Hazardous Decomposition Products: Oxides of carbon. Oxides of nitrogen. Irritating organic fragments.

Section 11 – Toxicological Information

Potential Health Effects:

Eye: Causes serious eye irritation.

Skin: Causes skin irritation. May cause allergic skin reaction.

Inhalation: May cause dizziness, loss of coordination, headache, nausea and vomiting. Central nervous system effects.
Ingestion: May cause gastrointestinal tract irritation if swallowed.

Carcinogen Status: No material listed.

Carcinogenicity: **OSHA:** NO **IARC:** NO **NTP:** NO

Section 12 – Ecological Information

Ecotoxicity: No further information is available.

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 land filled at an approved facility. Not a RCRA waste.

Section 14- Transport Information

DOT Proper Shipping Name: Not regulated
DOT Technical Name: None
DOT Hazard Class: None
UN Number: None
DOT Labels Required (49CFR172.101): None

IMDG Shipping Description: Not regulated
ID Number: None
Hazard Class: None

Packing Group: None
Labels Required: None
Marking Required: None
Placards Required: None

ICAO/IATA
IMDG Shipping Description: Not regulated
ID Number: None
Hazard Class: None
Packing Group: None

Section 15 – Regulatory Information

CERCLA Reportable quantity: Cume Hydroperoxide, 10 lbs.

SARA Hazard Category (311/312): Immediate Health, Delayed Health

SARA 313: None above the de minimis levels.

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

CALIFORNIA PROPOSITION 65: None listed.

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.