



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

H.M.I.S.	
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F -	0
R -	0
P.P.	A

# AST-SEAL™ HD

## Heavy Duty Stainless Steel Grade Anaerobic Pipe Thread Sealant with PTFE

STOCK # ('S): 22150; 22151; 22152; 22154; 22153; 22114

# MATERIAL SAFETY DATA SHEET

### Section 1- Chemical Product and Company Identification

**Manufacture:** Anti-Seize Technology  
2345 N. 17<sup>th</sup> Ave.  
Franklin Park, IL 60131

**Phone:** 847-455-2300

**Emergency Phone, 24 hr:** Infotrac @ 1-800-535-5053 or 352-323-3500

### Section 2-Composition/ Information on Ingredients

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	TASCA	PERCENT
METHACRYLATE ESTER	109-17-1	NOT ESTABLISHED		NO	NO	YES	40 - 60
POLYMERIC PLASTICIZER	25103-87-1	NOT ESTABLISHED		NO	NO	YES	20 -30
CELLULOSE ESTER	9004-36-8	NOT ESTABLISHED		NO	NO	YES	10 - 20
POLYTETRAFLUROETHANE (PTFE)	9002-84-0	15mg/m3	15mg/m3	NO	NO	YES	1 - 10
CUMENE HYDROPEROXIDE	80-15-9	5mg/m3	5mg/m3	YES	NO	YES	1 - 3
SACCHARIN	80-07-2	1mg/m3	1mg/m3	NO	YES	YES	1 - 3
TITANIUM DIOXIDE	13463-67-7	15mg/m3	15mg/m3	NO	NO	YES	1 - 5

### Section 3- Hazard Identification

**ROUTES OF ENTRY:**  SKIN  EYES  INHALATION  INGESTION

MAY CAUSE RESPIRATORY IRRITATION  
MAY CAUSE EYE OR SKIN IRRITATION

### Section 4 – First Aid Measures

**EYES:** THIS PRODUCT COULD CAUSE SOME IRRITATION IF GOTTEN INTO THE EYES. FLUSH EYE WITH WATER FOR 15 MINUTES, LIFTING THE EYELIDS. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

**INGESTION:** DO NOT INDUCE VOMITING. IF INGESTED THIS PRODUCT IS NOT EXPECTED TO CAUSE AN ACUTE REACTION. USE A GASTRIC LAVAGE, AND CALL A POISON CONTROL CENTER OR A PHYSICIAN.

**INHALATION:** NOT LIKELY UNDER NORMAL CONDITIONS OF USE, USE A LOCAL EXHAUST TO REMOVE FUMES. IF DIZZINESS OR IRRITATION OCCURS, SEEK FRESH AIR.

**CHEMICAL ('S) LISTED AS CARCINOGENS; SACCHARIN,**

**NPT? NO I.A.R.C. ? : YES OSHA? : NO**

**NOTE:** LOW LEVELS OF SACCHARIN ARE CONTAINED IN THE PRODUCT, WHICH WOULD BE CONSIDERED AN "ACCEPTABLE RISK"

### Section 5 – Fire Fighting Measures

**FLASH POINT AND METHOD USED:** > 200 F T.C.C.

**FLAMMABLE LIMITS:** LEL: NO DATA. UEL: NO DATA.

**EXTINGUISHING MEDIA:** FOAM, CO2, DRY CHEMICAL

**SPECIAL FIRE FIGHTING PROCEDURES:** WATER FOG MAY BE USED TO COOL THE CONTAINERS BUT. WEAR A "N.I.O.S.H." APPROVED ORGANIC VAPOR RESPIRATOR.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** DENSE SMOKE AND NOXIOUS OR TOXIC FUMES MAY BE GENERATED IN A FIRE. FIRE FIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS.

### Section 6 – Accidental Release Measures

**SPILL/ LEAKAGE PROCEDURES:** USE AN OIL ABSORBENT MATERIAL AND DISPOSE OF PROPERLY. DO NOT RETURN TO THE

ORIGINAL CONTAINER WHICH COULD RESULT IN CONTAMINATION AND CAUSE PREMATURE AGING OF THE PRODUCT.

### Section 7 – Handling and Storage

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** STORE IN CLOSED CONTAINERS AWAY FROM INTENSE HEAT, OPEN FLAMES OR GRINDING AND WELDING AREAS. DO NOT RETURN UNUSED MATERIAL BACK TO THE CONTAINER WHICH COULD RESULT IN CONTAMINATION OF THE PRODUCT AND SEVERELY SHORTEN ITS SHELF LIFE.  
**OTHER PRECAUTIONS:** DO NOT TRANSFER TO UNMARKED CONTAINERS. KEEP AWAY FROM CHILDREN.

### Section 8 – Exposure Controls / Personal Protection

**RESPIRATORY PROTECTION:** NORMALLY NOT REQUIRED.  
**PROTECTIVE GLOVES:** NORMALLY NOT REQUIRED UNLESS PROLONGED OR REPEATED SKIN CONTACT IS EXPECTED, AND THEN USE LATEX OR NEOPRENE GLOVES.  
**EYE PROTECTION:** SAFETY GLASSES ARE RECOMMENDED.  
**WORK/HYGIENIC PRACTICES:** USE GOOD STANDARD PRACTICES WHEN USING THIS MATERIAL. DO NOT EAT OR SMOKE WHILE USING, AND THOROUGHLY WASH WITH SOAP AND WATER AFTER USING.

### Section 9 – Physical and Chemical Properties

<b>BOILING POINT:</b> POLYMERIZES	<b>SOLUBILITY IN WATER:</b> INSOLUBLE
<b>MELTING POINT:</b> DOES NOT APPLY	<b>REACTIVITY IN WATER:</b> NO
<b>VAPOR PRESSURE:</b> 0.01 @ 77F	<b>SPECIFIC GRAVITY:</b> 1.07
<b>EVAPORATION RATE:</b> NO DATA	<b>PERCENT VOLATILE:</b> < 1
<b>APPEARANCE AND ODOR:</b> WHITE, CREAMY PASTE, MILD ODOR	

### Section 10 – Stability and Reactivity

**STABILITY:** (X) STABLE ( ) UNSTABLE  
**INCOMPATIBILITY, (MATERIALS TO AVOID):** NONE KNOWN.  
**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.  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR. **NOTE:** DO NOT GRIND METALS IN A CLOSE PROXIMITY TO AN OPEN CONTAINER OF THIS PRODUCT. METAL SHAVINGS WILL CAUSE THE COMPOUND TO CURE.

### Section 11 – Toxicological Information

SEE SECTION 2 FOR ADDITIONAL INFORMATION AND EXPOSURE LIMITS

### Section 12 – Ecological Information

NO ADDITIONAL INFORMATION IS AVAILABLE. THIS PRODUCT IS NOT EXPECTED TO BIOACCUMULATE.

### 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:** NOT REGULATED

**SHIPMENT BY AIR:** NOT REGULATED

**WHMIS:** NOT REGULATED

### Section 15 – Regulatory Information

<b>CALIFORNIA PROPOSITION 65:</b> NO	<b>RCRA:</b> NO
<b>OZONE DEPLETING SUBSTANCES:</b> NONE	<b>DOT SHIPPING CLASS:</b> NOT HAZARDOUS
<b>SARA TITLE III:</b> NO	<b>TASCA INVENTORY:</b> ALL INGREDIENTS LISTED
<b>CERCLA:</b> SACCHARIN	<b>NFPA RATING:</b> H-1, F-0, R-0

### 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.

**DATE:** 01/15/2009

**AST SEAL HD, 16 PART ISO MSDS**