



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

H.M.I.S.	
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# AST-SEAL™ 91WS

## WELD SEALANT

STOCK #: 39911, 39912, 39913

# 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,	PERCENT
TETRA ETHYLENE GLYCOL						
DI METHACRYLATE	109-17-1	NOT ESTABLISHED		NO	NO	50 TO 65
SACCHARIN	81-07-2	NO DATA		NO	NO	<1
NN DI ALKYL TOLUIDE	613-48-9	NOT ESTABLISHED		NO	NO	1 TO 5
CUMENE HYDROPEROXIDE	80-15-9	NO DATA		YES	NO	2 TO 4
BISPHENOL A FUMARATE RESIN	39382-25-7	NO DATA		NO	NO	10 - 30

### Section 3- Hazard Identification

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

**HEALTH HAZARDS:** THIS PRODUCT CONTAINS TETRAETHYLENE GLYCOL DIMETHACRYLATE, WHICH CAN CAUSE SKIN, EYE OR RESPIRATORY IRRITATION IF THE CONCENTRATIONS ARE HIGH ENOUGH. CERTAIN INDIVIDUALS MAY SHOW AN ACUTE SKIN, OR EYE SENSITIVITY TO THIS CHEMICAL WHICH IS USUALLY SEEN AS SKIN REDNESS, ITCHING, BURNING, OR RASH.)

### Section 4 – First Aid Measures

**SKIN:** WASH WITH SOAP AND WATER, USING A NAIL BRUSH. PAY PARTICULAR ATTENTION TO FINGER NAILS AND OPEN WOUNDS.

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

**INHALATION:** NOT LIKELY UNDER NORMAL CONDITIONS OF USE. IF USING IN HIGH TEMPERATURE APPLICATIONS WHERE THERMAL DECOMPOSITION IS LIKELY, USE A LOCAL EXHAUST TO REMOVE FUMES. IF DIZZINESS OR IRRITATION OCCURS, SEEK FRESH AIR.

**CHEMICAL (‘S) LISTED AS CARCINOGENS:** SACCHRIN  
NPT ? : \_\_\_\_\_ I.A.R.C. ? : \_\_\_\_\_ OSHA ? : YES

### Section 5 – Fire Fighting Measures

**FLASH POINT AND METHOD USED:** > 212 F C.O.C.

**FLAMMABLE LIMITS:** LEL: n.a. UEL: n.a.

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

**SPECIAL FIRE FIGHTING PROCEDURES:** 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.

**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.

### Section 7 – Handling and Storage

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** STORE IN CLOSED CONTAINERS AWAY FROM INTENSE HEAT OR OPEN FLAMES.

**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,

### Section 9 – Physical and Chemical Properties

**BOILING POINT:** > 400 F.

**MELTING POINT:** does not apply

**VAPOR PRESSURE:** .01 mm Hg

**EVAPORATION RATE:** 0

**APPEARANCE AND ODOR:** various colors, mild odor

**SOLUBILITY IN WATER:** nil

**REACTIVITY IN WATER:** none

**SPECIFIC GRAVITY:** 1.1 to 1.15

**PERCENT VOLATILE:** 0

### Section 10 – Stability and Reactivity

**STABILITY:** (X) STABLE ( ) UNSTABLE

**CONDITIONS TO AVOID:** strong reducing agents or high heat

**INCOMPARABILITY, (MATERIALS TO AVOID):** avoid contamination

**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

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

**TRANSPORTATION BY LAND (49CFR);** NOT REGULATED

**TRANSPORTATION BY AIR (ICAO/IATA):** NOT REGULATED

**TRANSPORTATION BY SHIP (IMO/IMDG):** NOT REGULATED

**WHMIS:** NOT REGULATED.

### Section 15 – Regulatory Information

**CALIFORNIA PROPOSITION 65:** NO

**OZONE DEPLETING SUBSTANCES:** NONE

**SARA TITLE III :** NO

**CERCLA:** NO

**WHMIS:** NOT A CONTROLLED PRODUCT

**RCRA:** NO

**DOT SHIPPING CLASS:** NOT HAZARDOUS

**TASCA INVENTORY :** ALL INGREDIENTS LISTED

**N.F.P.A. RATING:** 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 IT'S USE.

**DATE:** 01/15/2009

**AST SEAL 91WS, 16 PART ISO MSDS**