



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

H.M.I.S.	
H -	1
F -	3
R -	0
P.P.	

# S'MOOTH™

## GENERAL PURPOSE THREAD SEALANT

STOCK # ('S): 15005,15008,15018

## MATERIAL SAFETY DATA SHEET

### SECTION I - PRODUCT IDENTIFICATION

**MANUFACTURE:** ANTI-SEIZE TECHNOLOGY  
2345 N. 17th. Ave.  
FRANKLIN PARK, IL. 60131

**TELEPHONE #:** 847-455-2300

**24 HOUR EMERGENCY #:** INFOTRAC, 1-800-535-5053

### SECTION II - HAZARDOUS INGREDIENTS

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
ISOPROPYL ALCOHOL	67-63-0	400ppm	400ppm	NO	NO	15 - 25
TALC	14807-96-6	2mg/m3	2mg/m3	NO	NO	20 - 30
VEGETABLE OIL	TRADE SECRET ( NOT HAZARDOUS)			NO	NO	15 - 30
VINYL RESIN	TRADE SECRET ( NOT HAZARDOUS)			NO	NO	10 - 20
TITANIUM DIOXIDE	13463-67-1	10mg/m3	10mg/m3	NO	NO	1 - 5
POLYTETRAFLUOROETHANE	9002-84-0	NOT ESTABLISHED		NO	NO	1 - 5
2-BUTOXY ETHANOL	111-76-2	50ppm	25ppm	NO	NO	15 - 25

### SECTION III - PHYSICAL PROPERTIES

**BOILING POINT:** 183 F

**MELTING POINT:** DOES NOT APPLY

**VAPOR DENSITY:** 2.1

**EVAPORATION RATE: (NBUAC=1):** 1.44

**VAPOR PRESSURE:** 30mm @ 70F

**APPEARANCE AND ODOR:** TAN/YELLOW PASTE, SLIGHT ODOR

**SOLUBILITY IN WATER:** PARTIAL

**REACTIVITY IN WATER:** NONE

**SPECIFIC GRAVITY:** 1.1

**VOC (METHOD 24) :** 32.0

### SECTION IV - FIRE AND EXPLOSION DATA

**FLASH POINT AND METHOD USED:** FOR SOLVENT 78 F , TCC., FLASH POINT OF FULLY DRIED COMPOUND: >350F C.O.C.

**FLAMMABLE LIMITS: LEL:** 2.0 **UEL:** 12.0

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

**SPECIAL FIRE FIGHTING PROCEDURES:** WATER FOG MAY BE USED TO COOL THE CONTAINERS BUT DO NOT SPRAY DIRECTLY INTO LARGE CONTAINERS OF BURNING LIQUIDS AS FROTHING MAY OCCUR. 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 V- PHYSICAL HAZARDS

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

**CONDITIONS TO AVOID:** STRONG OXIDIZING AGENT. NOT INTENDED FOR USE WITH OXYGEN

**INCOMPATABILITY ,(MATERIALS TO AVOID):** OXYGEN SERVICE.

**HAZARDOUS DECOMPOSITION PRODUCTS:** THE THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDANT UPON THE COMBUSTION CONDITIONS. NOXIOUS OR TOXIC FUMES MAY BE GENERATED, SOME OF WHICH MAY BE TOXIC OR IRRITATING.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

### SECTION VI - HEALTH HAZARDS AND FIRST AID

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

**HEALTH HAZARDS:** THE SOLVENT USED IN THIS PRODUCT EVAPORATES QUICKLY, AND THE AMOUNT OF PRODUCT USED IS RELATIVELY SMALL. THEREFORE IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD UNDER NORMAL CONDITIONS OF USE. THE SOLVENT CAN BE IRRITATING TO THE SKIN, EYES OR RESPIRATORY TRACT, IF THE EXPOSURE IS HIGH ENOUGH. POSSIBLE SYMPTOMS COULD INCLUDE SKIN REDNESS, DRY CHAPPED SKIN, BURNING EYES, OR MILD COUGH. IF THE EXPOSURE IS GREAT ENOUGH, DIZZINESS OR HEADACHE COULD OCCUR. AVOID USING IN CONFINED SPACES WITHOUT ADEQUATE VENTILATION, OR USE AN ORGANIC VAPOR RESPIRATORY IN CONFINED AREAS

### EMERGENCY FIRST AID PROCEDURES

**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 MECHANICAL IRRITATION IF GOTTEN INTO THE EYES AND RUBBED. 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. THIS PRODUCT CONTAINS ISOPROPYL ALCOHOL, DO NOT INDUCE VOMITING, BECAUSE THE SOLVENT MAY BE ASPIRATED INTO THE LUNGS. USE A GASTRIC LAVAGE, AND CALL A POISON CONTROL CENTER OR A PHYSICIAN.

**INHALATION:** REMOVE TO FRESH AIR, OPEN WINDOWS OR DOORS TO VENTILATE AREA. USE A LOCAL EXHAUST TO REMOVE FUMES. IF DIZZINESS OR IRRITATION OCCURS, SEEK FRESH AIR.

### CHEMICAL (S) LISTED AS CARCINOGENS

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

## SECTION VII - SPECIAL PRECAUTIONS AND SPILL PROCEDURES

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** STORE IN TIGHTLY CLOSED CONTAINERS AWAY FROM HEAT ,OPEN FLAMES, SPARKS OR OTHER IGNITION SOURCES.

**OTHER PRECAUTIONS:** KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE . DO NOT TRANSFER TO UNMARKED CONTAINERS. KEEP AWAY FROM CHILDREN.

**SPILL/ LEAKAGE PROCEDURES:** THE VISCOUS NATURE OF THIS PRODUCT MAKES SPILLS UNLIKELY. SCOOP UP THE MATERIAL AND RETURN TO ITS ORIGINAL CONTAINER, OR USE AN OIL ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.

**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 VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** NORMALLY NOT REQUIRED. IF THIS PRODUCT IS BEING USED IN LARGE AMOUNTS OR IN CONFINED AREAS ,USE A LOCAL EXHAUST OR VENTILATE THE AREA TO MAINTAIN THE AIR QUALITY. A "N.I.O.S.H." APPROVED ORGANIC VAPOR RESPIRATOR IS ALSO ACCEPTABLE.

**PROTECTIVE GLOVES:** NORMALLY NOT REQUIRED UNLESS PROLONGED OR REPEATED SKIN CONTACT IS EXPECTED, THEN USE A 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, USING A NAIL BRUSH AFTER USING.

## SECTION IX - REGULATORY INFORMATION

**CALIFORNIA PROPOSITION 65:** NO  
**OZONE DEPLETING SUBSTANCES:** NONE

**SARA TITLE III :** NO  
**CERCLA:** NO  
**TASCA INVENTORY :** ALL INGREDIENTS LISTED  
**N.F.P.A. RATING:** H-2,F-3 ,R-0

**RCRA:** NO  
**DOT SHIPPING CLASS:**  
( < 5 LITERS) CONSUMER COMMODITY ORM-D  
( > 5 LITERS), RESIN SOLUTION  
( > 5 LITERS) CLASS 3, PACKING GROUP III,  
( < 5 LITERS) I.D. NUMBER: NONE  
( > 5 LITERS) UN 1866  
**IATA:** CONSUMER COMMODITY ( < 500 ML)  
RESIN SOLUTION ( > 500 ML)  
CLASS: CLASS 9 ( < 500 ML)  
CLASS 3 , GROUP III, ( > 500 ML)  
ID 8000 ( < 500 ML)  
UN 1866 ( > 500 ML)  
**MARINE POLLUTANT:** NONE

## SECTION X - DISCLAIMER

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 IT'S USE.

**DATE PREPARED: 6/16/03**

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