



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

H.M.I.S.	
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F -	4*
R -	0
P.P.	A

TUF-SET™

PIPE THREAD SEALANT

STOCK #'S; 56002, 56008, 56018, 56025, 56026, 56030, 56050

MATERIAL SAFETY DATA SHEET

Section 1- Chemical Product and Company Identification

Manufacture: Anti-Seize Technology
 2345 N. 17th Ave.
 Franklin Park, IL 60131

Phone: 847-455-2300

Emergency Phone, 24 hr: Infotrac @ 1-800-535-5053

Section 2-Composition/ Information on Ingredients

	CAS#	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
ISOPROPYL ALCOHOL	67-63-0	200ppm	200ppm	NO	NO	15 - 25
NON-HAZARDOUS BINDER	TRADE SECRET	NOT ESTABLISHED		NO	NO	20 - 30
NON-HAZARDOUS INORGANIC FILLERS	TRADE SECRET	400 ppm	400ppm	NO	NO	50 - 70

Section 3- Hazard Identification

HEALTH HAZARDS: THE ALCOHOL USED IN THIS PRODUCT IS EXTREMELY FLAMMABLE AND EVAPORATES QUICKLY. THE AMOUNT OF PRODUCT USED IS RELATIVELY SMALL SO THE EXPOSURE HAZARD IS LIMITED AND 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.

DO NOT ALLOW THE MATERIAL INTO OPEN WOUNDS, IT COULD CAUSE TEMPORARY IRRITATION.

Section 4 – First Aid Measures

SKIN: WASH WITH SOAP AND WATER, USING A NAIL BRUSH . PAY PARTICULAR ATTENTION TO FINGER NAILS AND OPEN WOUNDS. RUBBING ALCOHOL APPLIED TO A RAG MAY BE USED TO REMOVE SMALL AMOUNTS OF THE COMPOUND.

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 5 – Fire Fighting Measures

FLASH POINT AND METHOD USED: HIGHLY FLAMMABLE FOR SOLVENT 74 F (23 C), , TCC., FLASH POINT OF FULLY DRIED COMPOUND: >350F C.O.C.

FLAMMABLE LIMITS: LEL: 2.3 UEL: 13.7 AS COMPOUND DRIES, FLAMMABILITY DECREASES. DRIED COMPOUND IS NOT FLAMMABLE.

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 6 – Accidental Release Measures

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. IF RAGS ARE USED TO CLEAN UP SKILLS TREAT THEM AS FLAMMABLE MATERIALS.

Section 7 – Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN TIGHTLY CLOSED CONTAINERS AWAY FROM HEAT ,OPEN FLAMES, SPARKS OR OTHER IGNITION SOURCES. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM CHILDREN. DO NOT PURPOSELY CONCENTRATE VAPORS AND INHALE. INGESTING LARGE QUANTITIES, ALTHOUGH UNLIKELY, COULD BE FATAL.

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

Section 8 – Exposure Controls / Personal Protection

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 9 – Physical and Chemical Properties

BOILING POINT: 207 F , BEFORE DRYING

MELTING POINT: DOES NOT APPLY

VAPOR DENSITY: 2.1

EVAPORATION RATE: (NBUAC=1):1.44

VAPOR PRESSURE: 30mm @ 70F

APPEARANCE AND ODOR: LIGHT BLUE PASTE, SLIGHT ALCOHOL ODOR

SOLUBILITY IN WATER: PARTIAL UNTIL DRY

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 1.1

VOC (METHOD 24) : 28% – 32%

Section 10 – Stability and Reactivity

STABILITY: (X) STABLE () UNSTABLE

CONDITIONS TO AVOID: STRONG OXIDIZING AGENT. NOT INTENDED FOR USE WITH OXYGEN. IGNITION SOURCES, UNTIL THE COMPOUND HAS DRIED.

INCOMPATIBILITY , (MATERIALS TO AVOID): OXYGEN SERVICE.

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.

Section 11 – Toxicological Information

TOXICOLOGICAL INFORMATION FOR ISOPROPYL ALCOHOL.

ORAL RAT LD50; 1870 , SKIN, RABBIT LD50; 4060mg/Kg, INHALATION, MOUSE LC50 48mg/m3, EYE, RABBIT 4mg.

SEVERE, OPEN SKIN, RABBIT 580 mg/24 Hr. MILD

SEE SECTION 2 FOR ADDITIONAL INFORMATION AND EXPOSURE LIMITS

Section 12 – Ecological Information

ALCOHOL: EXPECTED TO READILY BIODEGRADE. IF RELEASED INTO SOIL IT IS EXPECTED TO EVAPORATE QUICKLY. IF RELEASED INTO WATER IT IS EXPECTED TO EVAPORATE.

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); RESIN SOLUTION, CLASS 3, UN 1866, PACKING GROUP III,

TRANSPORTATION BY AIR (ICAO/IATA): RESIN SOLUTION, CLASS 3, UN1866, PACKING GROUP III

TRANSPORTATION BY SHIP (IMO/IMDG): RESIN SOLUTION, CLASS 3, UN 1866 PACKING GROUP III

WHMIS: B.2, D.2.A, D.2.B

Section 15 – Regulatory Information

CALIFORNIA PROPOSITION 65: NO

OZONE DEPLETING SUBSTANCES: NONE

N.F.P.A. RATING: H-2,F-3 ,R-0

SARA TITLE III : NO

RCRA: NO

TASCA INVENTORY : ALL INGREDIENTS LISTED

CERCLA: NO

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: 2/27/07

TUF SET PIPE THREAD SEALANT 16 PART MSDS