



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

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AST-SEAL™ STD (STANDARD GRADE)

ANAEROBIC PIPE SEALANT WITH "PTFE"

STOCK # ('S): 22010, 22020, 22050, 22250, 22350, 22750

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 - COMPOSITION

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	TASCA	PERCENT
METHACRYLATED POLYOL	25852-47-5	NOT ESTABLISHED		NO	NO	YES	40 - 50
DIBUTYL MALEATE	105-76-0	NOT ESTABLISHED		NO	NO	YES	30 - 40
ACRYLIC COPOLYMER	96-33-3	NOT ESTABLISHED		NO	NO	YES	5 - 15
POLYTETRAFLUROETHANE (PTFE)	9002-84-0	15mg/m3	15mg/m3	NO	NO	YES	1 - 5
CUMENE HYDROPEROXIDE	80-15-9	5mg/m3	5mg/m3	YES	NO	YES	0.5 - 1.0
SODIUM SULFAMIDE	80-07-2	50ppm		NO	YES	YES	0.1 - 0.5
TITANIUM DIOXIDE	13463-67-7	15mg/m3	15mg/m3	NO	NO	YES	1 - 5

SECTION III - PHYSICAL PROPERTIES

BOILING POINT: POLYMERIZES
MELTING POINT: DOES NOT APPLY
VAPOR PRESSURE: NOT ESTABLISHED
EVAPORATION RATE: NO DATA
APPEARANCE AND ODOR: WHITE, CREAMY PASTE, MILD ODOR

SOLUBILITY IN WATER: INSOLUBLE
REACTIVITY IN WATER: NO
SPECIFIC GRAVITY: 1/07
VOLATILE ORGANIC CONTENT : < 20 GRAMS / LITER

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT AND METHOD USED: 230 F, CLOSED CUP
FLAMMABLE LIMITS: LEL: NO DATA UEL: NO DATA
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. 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: STORAGE > 100F., EXPOSURE TO DIRECT SUNLIGHT, LOSS OF DISSOLVED AIR, LOSS OF POLYMERIZATION INHIBITOR, CONTAMINATION WITH INCOMPATIBLE MATERIAL.
INCOMPATIBILITY ,(MATERIALS TO AVOID): POLYMERIZATION INITIATORS, INCLUDING PEROXIDES, STRONG OXIDIZING AGENTS., THIS PRODUCT INITIATES POLYMERIZATION IN THE ABSCENCE OF AIR AND IN THE PRESENCE OF METALS.
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: UNCONTROLLED POLYMERIZATION MAY CAUSE RAPID EVOLUTION OF HEAT AND INCREASE IN PRESSURE THAT COULD RESULT IN VIOLENT RUPTURE OF SEALED CONTAINERS.

SECTION VI - HEALTH HAZARDS AND FIRST AID

ROUTES OF ENTRY: SKIN EYES INHALATION INGESTION

HEALTH HAZARDS: THIS PRODUCT CONTAINS A METHACRYLATE ESTER, WHICH CAN CAUSE SKIN OR EYE IRRITATION IF THE CONCENTRATIONS ARE HIGH ENOUGH. CERTAIN INDIVIDUALS MAY SHOW AN ACUTE SKIN, OR EYE SENSITIVITY TO THIS CHEMICAL., USUALLY SEEN AS SKIN REDNESS, ITCHING , BURNING, OR RASH. COULD IRRITATE EYES ON CONTACT.

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 IRRITATION IF GOTTEN INTO THE EYES AND RUBBED. FLUSH EYE IMMEDIATELY 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,** . USE A GASTRIC LAVAGE, DILUTE STOMACH CONTENTS WITH MILK OR WATER 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

NPT ?: NO **I.A.R.C. ? SODIUM SULFIMIDE OSHA ? :** NO

SECTION VII - SPECIAL PRECAUTIONS AND SPILL PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN CLOSED CONTAINERS AWAY FROM INTENSE HEAT , METAL CUTTING AREAS.

OTHER PRECAUTIONS: 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: NOT REQUIRED FOR NORMAL USE. IF USING LARGE QUANTITIES IN CONFINED AREAS USE A. "N.I.O.S.H." APPROVED ORGANIC VAPOR RESPIRATOR..

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: SODIUM SULFIMIDE

OZONE DEPLETING SUBSTANCES: NONE

SARA TITLE III : NO

CERCLA: SACCHRIN

RCRA: NO

DOT SHIPPING CLASS: NOT HAZARDOUS

TASCA INVENTORY : ALL INGREDIENTS LISTED

NFPA RATING: H-1,F-2 ,R-0

SECTION IX - 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:5/10/05

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