



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

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AST-SEAL™ HD

(HEAVY DUTY STAINLESS STEEL GRADE) ANAEROBIC PIPE SEALANT WITH "PTFE"

STOCK # ('S): 22151, 22152, 22154, 22153

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
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 III - PHYSICAL PROPERTIES

BOILING POINT: POLYMERIZES

MELTING POINT: DOES NOT APPLY

VAPOR PRESSURE: 0.01 @ 77F

EVAPORATION RATE: NO DATA

APPEARANCE AND ODOR: WHITE, CREAMY PASTE, MILD ODOR

SOLUBILITY IN WATER: INSOLUBLE

REACTIVITY IN WATER: NO

SPECIFIC GRAVITY: 1/07

PERCENT VOLATILE: < 1

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: THIS PRODUCT POLYMERIZES IN THE ABSENCE OF AIR AND THE PRESENCE OF METAL.

INCOMPATIBILITY ,(MATERIALS TO AVOID): METALS AND THEIR SALTS WILL CAUSE POLYMERIZATION.

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: SHOULD NOT OCCUR. NOT A HEAT GENERATING POLYMERIZATION.

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. ? : SACCHARIN 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: SACCHARIN

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-1 ,R-0

SECTION IX - DISCLAIMER

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