



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

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AST-SEAL™ STD

(STANDARD GRADE)

ANAEROBIC PIPE SEALANT WITH "PTFE"

STOCK # ('S): 22020, 22050, 22250, 22350, 22750, 22014

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 or 352-323-3500

Section 2-Composition/ Information on Ingredients

	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 SULFIDE	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 3- Hazard Identification

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. THIS IS USUALLY SEEN AS SKIN REDNESS, ITCHING, BURNING, OR RASH. THIS PRODUCT COULD IRRITATE EYES ON CONTACT.

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 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, OR 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. ? NO OSHA? : NO

Section 5 - Fire Fighting Measures

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. IN A FIRE SITUATION 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.

Section 7 – Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN CLOSED CONTAINERS AWAY FROM INTENSE HEAT, OPEN FLAMES OR METAL CUTTING AREAS. STORE BELOW 100 F.

OTHER PRECAUTIONS: DO NOT TRANSFER TO UNMARKED CONTAINERS. KEEP AWAY FROM CHILDREN.

Section 8 – Exposure Controls / Personal Protection

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, 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, USING A NAIL BRUSH AFTER USING.

Section 9 – Physical and Chemical 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 10 – Stability and Reactivity

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 ABSENCE 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.

Section 11 – Toxicological Information

SODIUM SULFIMIDE; LD50, ORAL RATS 1.42g/kg

CUMENE HYDROPEROXIDE, SKIN, RABBIT. 500 mg/kg, LC50; inhalation, rat 700ppm

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

SHIPMENT BY LAND: NOT REGULATED

SHIPMENT BY WATER: NOT REGULATED

SHIPMENT BY AIR: NOT REGULATED

WHMIS: NOT REGULATED

Section 15 – Regulatory Information

CALIFORNIA PROPOSITION 65: SACCHARIN <0.5%

OZONE DEPLETING SUBSTANCES: NONE

SARA TITLE III: CUMENE HYDROPEROXIDE

CERCLA:

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

RCRA: NO

DOT SHIPPING CLASS: NOT HAZARDOUS

TASCA INVENTORY: ALL INGREDIENTS LISTED

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 ITS USE.

DATE: 01/15/2009

AST SEAL STD, 16 PART ISO MSDS