



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

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

# KRYSTAL CLEAR™

## Glass Cleaner

### BULK LIQUID

STOCK # ('S): 53300, 53301, 53305, 53355

## 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 Hr. EMERGENCY #:** INFOTRAC@ 1-800-535-5053

### SECTION II - COMPOSITION

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
ISOPROPANOL	67-63-0	400ppm	400ppm	NO	NO	3 - 8
2-BUTOXYETHANOL	111-76-2	25ppm	SAME	YES	NO	1 - 6
NON HAZARDOUS						85 - 95

### SECTION III - PHYSICAL PROPERTIES

**BOILING POINT:** 212F

**MELTING POINT:** DOES NOT APPLY

**VAPOR DENSITY (AIR = 1):** 4.0

**EVAPORATION RATE (BUTYL ACETATE = 1):** < 1

**APPEARANCE AND ODOR:** CLEAR BLUE LIQUID WITH LILAC ODOR

**SOLUBILITY IN WATER:** COMPETE

**REACTIVITY IN WATER:** NONE

**SPECIFIC GRAVITY:** .98

**PERCENT VOLATILE:** 100

### SECTION IV - FIRE AND EXPLOSION DATA

**FLASH POINT:** BRIEF FLASH AT 107 F. ( FLASH POINT OF ISOPROPYL ALCOHOL )

NOTE: This product is Combustible under OSHA criteria but is not regulated by the DOT since it contains less than 24% alcohol and over 50% water, and no other hazardous ingredients.

**FLAMMABLE LIMITS:** LEL: N/D UEL: N/D

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

**SPECIAL FIRE FIGHTING PROCEDURES:** CONTAINERS MAY RUPTURE, BURST OR EXPLODE IN A FIRE. USE EXTREME CAUTION. WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD UP.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLOORS MAY BECOME EXTREMELY SLIPPERY. USE CAUTION.

### SECTION V- PHYSICAL HAZARDS

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

**CONDITIONS TO AVOID:** EXPOSURE TO OPEN FLAMES.

**INCOMPARABILITY ,(MATERIALS TO AVOID):**NONE REASONABLY FORESEEN.

**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. THE MAJORITY OF THE DECOMPOSITION PRODUCTS WILL BE WATER VAPORS.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.

## SECTION VI - HEALTH HAZARDS AND FIRST AID

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

**HEALTH HAZARDS:** THIS PRODUCT IS A CONCENTRATED SOLUTION AND IS GENERALLY VERY SAFE.. SKIN OR RESPIRATORY IRRITATION CAN OCCUR IF MISHANDLED. AVOID PROLONGED SKIN CONTACT . AVOID PROLONGED INHALATION OF ANY VAPORS. USE WITH ADEQUATE VENTILATION. AVOID USING IN CONFINED AREAS WITHOUT ADEQUATE VENTILATION..

### EMERGENCY FIRST AID PROCEDURES

**SKIN:** WASH WITH SOAP AND WATER, USING A NAIL BRUSH . PAY PARTICULAR ATTENTION TO FINGER NAILS AND OPEN WOUNDS.

**EYES:** FLUSH EYE WITH WATER FOR 15 MINUTES, LIFTING THE EYELIDS. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

**INGESTION:** NOT A LIKELY ROUTE OF EXPOSURE, DO NOT INDUCE VOMITING, . USE A GASTRIC LAVAGE, AND CALL A POISON CONTROL CENTER OR A PHYSICIAN.

**INHALATION:** THE SOLVENTS IN THIS PRODUCT MAY EFFECT THE RESPIRATORY TRACT OR CENTRAL NERVOUS SYSTEM. AVOID OVEREXPOSURE. DIZZINESS OR RESPIRATORY IRRITATION ARE SIGNS OF OVEREXPOSURE. SEEK FRESH AIR. OR FOLLOW OTHER STANDARD MEDICAL PRACTICES..

### 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:** KEEP CONTAINERS TIGHTLY SEALED AND UPRIGHT WHEN NOT IN USE. AVOID USING ELECTRIC PUMPS WHEN TRANSFERRING..

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

**SPILL/ LEAKAGE PROCEDURES:** AVOID BREATHING VAPORS. VENTILATE AREA AND REMOVE ALL SOURCES OF IGNITION AS A PRECAUTION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN A CLOSE CONTAINER FOR DISPOSAL..

**WASTE DISPOSAL:** DISPOSE OF IN A RESPONSIBLE MANNER. FOLLOW LOCAL, STATE AND FEDERAL GUIDELINES. DO NOT DISCHARGE INTO SEWERS OR WATERWAYS. REFER TO OTHER SECTIONS OF THIS MSDS FORM FOR ADDITIONAL INFORMATION

## SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** NORMALLY NOT REQUIRED. AVOID BREATHING VAPORS. IN RESTRICTED AREAS, USE A LOCAL EXHAUST TO REMOVE VAPORS, AND MAINTAIN AIR QUALITY. IF TLV'S ARE ABOVE ACCEPTABLE LIMITS USE A SELF CONTAINED BREATHING APPARATUS.

**PROTECTIVE GLOVES:** NORMALLY NOT REQUIRED

**EYE PROTECTION:** SAFETY GLASSES WITH SIDE SPLASH SHIELDS 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

**RCRA:** NO

**DOT SHIPPING CLASS:** NOT HAZARDOUS

**TASCA INVENTORY :** ALL INGREDIENTS LISTED

**N.F.P.A. RATING:** H-1,F-0,R-0

## 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:** 4/18/02

**Krystal Clear Blk.wps**