



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

H.M.I.S.	
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P.P.	

# CA-020™, CA-120™, CA-220™

## INSTANT ADHESIVE

STOCK # ('S): 23020, 23120, 23220

# MATERIAL SAFETY DATA SHEET

### SECTION 1 - 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 or 352-323-3500

### SECTION 2 - COMPOSITION

	CAS #	PERCENT
ETHYL CYANOACRYLATE	0708-58-50	90 - 99
HYDROQUINONE	123-31-9	0.1 - 0.5
POLY (METHYL METHACRYLATE)	9011-14-7	1 - 10

READ SECTION 6 - HEALTH HAZARDS AND FIRST AID, FOR ADDITIONAL INFORMATION.

### SECTION 3 HAZARD IDENTIFICATION

**TOXICITY:** SKIN CONTACT MAY CAUSE BURNS

BOND SKIN RAPIDLY  
SKIN AND EYE IRRITANT  
ESTIMATED ORAL LD 50 MORE THAN 5,000 mg/kg  
ESTIMATED DERMAL LD 50 MORE THAN 2,000 mg/kg

**PRIMARY ROUTE OF ENTRY:** NONE KNOWN

**SYMPTOMS OF EXPOSURE:** VAPORS IS IRRITATING TO MUCOUS MEMBRANE WHEN ABOVE TLV  
PROLONGED AND REPEATED OVEREXPOSURE TO VAPORS MAY PRODUCE ALLERGIC  
REACTIONS WITH ASTHMA LIKE SYMPTOMS IN SENSITIVE INDIVIDUALS.

**EXISTING CONDITIONS AGGRAVATED BY EXPOSURE:** NONE KNOWN

**TARGET ORGANS AND OTHER HEALTH EFFECTS:**

<b>ETHYL CYANOACRYLATE</b>	ALLERGEN, IRRITANT, RESPIRATORY
<b>POLY (METHYL METHACRYLATE)</b>	IRRITANT
<b>HYDROQUINONE</b>	ACGIH ANIMAL CARCINOGEN, BLOOD, BONE MARROW, CENTRAL NERVOUS SYSTEM, EYES, IMMUNE SYSTEM IRRITANT, LIVER, SKIN, MUTAGEN, THYROID

**HEALTH HAZARDS:** WARNING! CYANOACRYLATES BOND SKIN RAPIDLY AND STRONGLY AND MAY ALSO BOND EYELID TO EYE. A LARGE DROP MAY CAUSE A BURN UPON SOLIDIFICATION. VAPORS CAN CAUSE IRRITATION TO THE SKIN OR RESPIRATORY TRACT. IF THE FINGERS ARE BONDED, FIRST TRY SOAK IN SOAPY WATER. DO NOT FORCE APART, OR USE FINGERNAIL POLISH REMOVER. IT IS ALMOST IMPOSSIBLE TO SWALLOW CYANOACRYLATES. THE ADHESIVE SOLIDIFIES AND ADHERES IN THE MOUTH. THE LIPS MAY BE STUCK TOGETHER. SALIVA SHOULD LIFT THE ADHESIVE IN 12 TO 48 HOURS. DO NOT FORCE. DO NOT SWALLOW THE ADHESIVE WHEN IT LOOSENS. IF GOTTEN ON THE LIPS APPLY WARM WATER. USE MAXIMUM WETTING AND PRESSURE FROM SALIVA INSIDE THE MOUTH. PEEL OR ROLL THE LIPS APART GENTLY

## SECTION 4 – FIRST AID AND PERSONAL PROTECTION

**SKIN:** SEE ABOVE. DO NOT FORCE APART. TRY TWISTING FINGERS SLIGHTLY. THEN SOAK IN SOAPY WATER.

**EYES:** SEE ABOVE THIS PRODUCT COULD CAUSE 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:** IT IS ALMOST IMPOSSIBLE TO SWALLOW CYANOACRYLATE. THE ADHESIVE SOLIDIFIES IN THE MOUTH. SALIVA WILL LIFT THE ADHESIVE IN 12 TO 24 HOURS. CALL A POISON CONTROL CENTER OR A PHYSICIAN.

**INHALATION:** NOT LIKELY UNDER NORMAL CONDITIONS OF USE. THE PRODUCT COULD BE IRRITATING TO THE RESPIRATORY TRACT AND THEREFORE SHOULD BE USED WITH ADEQUATE VENTILATION.

## SECTION 5 - FIRE AND EXPLOSION DATA

**FLASH POINT AND METHOD USED:** 185 F, SET-A-FLASH

**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 BUT DO NOT SPRAY DIRECTLY INTO LARGE CONTAINERS OF BURNING LIQUIDS AS FROTHING MAY OCCUR.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** THIS MATERIAL FLOATS ON WATER, 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

IF A SPILL OCCURS FLOOD THE AREA WITH WATER TO POLYMERIZE (CURE) THE MATERIAL. SOAK UP WITH AN INERT ABSORBENT.

## SECTION 7- HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** STORE IN CLOSED CONTAINERS AWAY FROM INTENSE HEAT. STORE IN COOL PLACE OR REFRIGERATE. PREFERRED STORAGE TEMPERATURE IS 72 F. STORE AWAY FROM DIRECT SUNLIGHT.

**OTHER PRECAUTIONS:** DO NOT TRANSFER TO UNMARKED CONTAINERS. KEEP AWAY FROM CHILDREN. SEE SECTION 3 FOR ADDITIONAL INFORMATION.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### EXPOSURE LIMITS

**7085-85-0, ETHYL CYANOACRYLATE**

OSHA, PEL: NONE

ACGIH, TLV: 0.2ppm TWA

**12-31-9, HYDROQUINONE**

OSHA, PEL: 2mg/m3

ACGIH, TLV: 2mg/m3

**9011-14-7, POLY (METHYL METHACRYLATE)**

OSHA, PEL: 4ppm  
18mg/m3

ACGIH, TLV: 4ppm  
18mg/m3

**RESPIRATORY PROTECTION:** NORMALLY NOT REQUIRED. MAINTAIN THE AIR QUALITY BY USING A LOCAL EXHAUST OR VENTILATE THE AREA

**PROTECTIVE GLOVES:** RECOMMENDED TO PREVENT SKIN BONDING OR IRRITATION

**EYE PROTECTION:** SAFETY GLASSES ARE RECOMMENDED.

**WORK/HYGIENIC PRACTICES:** USE GOOD STANDARD PRACTICES WHEN USING THIS MATERIAL. DO NOT EAT OR SMOKE WHILE USING.

## SECTION 9 - PHYSICAL PROPERTIES

**BOILING POINT:** > 300F

**MELTING POINT:** DOES NOT APPLY

**VAPOR PRESSURE** :< 0.2mm@ 75F

**EVAPORATION RATE:** NO DATA

**APPEARANCE AND ODOR:** CLEAR LIQUID, SLIGHT PUNGENT ODOR

**SOLUBILITY IN WATER:** NIL

**REACTIVITY IN WATER:**

**SPECIFIC GRAVITY:** 1.06

**PERCENT VOLATILE:** 87.1%, 914.55g/l.

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** PRODUCT IS STABLE

**Polymerization:** HAZARDOUS POLYMERIZATION WILL NOT OCCUR

**Chemical Incompatibilities:** NONE KNOWN

**Conditions to Avoid:** NONE KNOWN

**Hazardous Decomposition Products:** NOXIOUS FUMES MAY BE GENERATED

## SECTION 11 – TOXICOLOGICAL INFORMATION

REFER TO SECTION 3

## SECTION 12 – ECOLOGICAL INFORMATION

NO ECOLOGICAL INFORMATION IS AVAILABLE FOR THE PRODUCT

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal:** POLYMERIZE AS INDICATED IN SECTION 6. INCINERATE FOLLOWING EPA AND LOCAL GUIDELINES

**Disposal Regulatory Requirements:** NONE KNOWN

**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 - TRANSPORTATION INFORMATION

**Shipping Name:** CA- 020, or CA-120, or CA -220

**Technical Name:** CYANOACRYLATE ADHESIVE

**UN Number:** NONE

**SHIPMENTS BY LAND:** UNRESTRICTED (NOT MORE THAN 450LITERS)

**SHIPMENTS BY WATER:** UNRESTRICTED, NOT MORE THAN 1 PINT  
NA 1993 (MORE THAN 450 LITERS)

**SHIPMENTS BY AIR:** UNRESTRICTED (NOT MORE THAN 1 PINT)  
AVIATION REGULATED LIQUID, n.o.s. (CYANOACRYALATE) (MORE THAN 1 PINT)

**CLASS:** UNRESTRICTED (NOT MORE THAN 1 PINT)  
CLASS 9 (MORE THAN 1 PINT)

**UN OR ID NUMBER:** NONE (NOT MORE THAN 1 PINT)  
UN 3334 (MORE THAN 1 PINT)

**Label:** NOT REQUIRED

**Canadian WHMIS Classification:** NOT HAZARDOUS

## SECTION 15 – REGULATORY INFORMATION

SEE SECTION 8

## SECTION 16 – OTHER

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 ITS USE

DATE PREPARED: 01/19/2009

CA-020,CA-120,CA220.wps