



**MATERIAL SAFETY DATA SHEET**

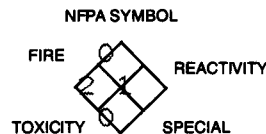
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MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD (HSC) 29 CFR 1910, 1200, STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

HMIS SYMBOL	
HEALTH	2
FLAMMABILITY	0
REACTIVITY	1

HMIS	NFPA
SEVERE 4	EXTREME
SERIOUS 3	HIGH
MODERATE 2	MODERATE
SLIGHT 1	SLIGHT
MINIMAL 0	INSIGNIFICANT



**PRODUCT IDENTIFICATION:** B346 FAST KLEAN IS  
 DATE: 01/02/03

**SECTION I: HAZARDOUS INGREDIENTS**

CAS NUMBER	CHEMICAL NAME	%	TLV (PPM)
7647-01-0	HYDROCHLORIC ACID - 20 DEGREE BAUME	5	5
7732-18-5	WATER	43.4	N/A
N/A	PROPRIETARY AMINE INHIBITOR	0.5	N/A
9016-45-9	POLY (OXY-1,2-ETHANEDIYL), ALPHA-(NONYLPHENYL)-OMEGA-HYDROXY BROWN DYE	1 0.1	N/A N/A
TOTAL		100%	

NOTE - THIS PRODUCT CONTAINS THESE SARA TITLE III, SECTION 313 CHEMICALS: HYDROCHLORIC ACID

**SECTION II: PHYSICAL DATA**

BOILING POINT: 212 F  
 VAPOR PRESSURE: (@ 25 C): 24.2 mm Hg  
 VAPOR DENSITY: (AIR=1): 1.17  
 SOLUBILITY IN WATER: COMPLETE  
 SPECIFIC GRAVITY: 1.02  
 PERCENT VOLATILE BY VOLUME: 98%  
 EVAPORATION RATE: N/A  
 P H: N/A  
 APPEARANCE AND ODOR: CLEAR, LIGHT BROWN LIQUID & HYDRILCHLORIC ACID ODOR

**SECTION III: FIRE AND EXPLOSION DATA**

FLASH POINT: NO FLASH AT BOIL (C.C.)  
 FLAMMABLE LIMITS: N/A  
 EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CARBON DIOXIDE  
 SPECIAL FIREFIGHTING PROCEDURES:  
 NOT CONSIDERED FLAMMABLE BY DEPARTMENT OF TRANSPORTATION STANDARDS

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
 CLEANER IN CONTACT W/METALS CAN CAUSE HYDROGEN TO FORM, WHICH IS FLAMMABLE.

SECTION IV: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: N/A

EFFECTS OF OVEREXPOSURE:

CONJUNCTIVITIS; IRRITATION OF THE SKIN; RHINITIS; HEADACHES; PALPITATIONS; IRRITATION/POSSIBLE PERFORMATION OF DIGESTIVE TRACT; VOMITING; NEPHRITIS

EMERGENCY FIRST AID PROCEDURES:

SKIN: FLUSH WITH WATER

EYES: FLUSH WITH WATER. IF IRRITATION PERSISTS, CALL PHYSICIAN.

INGESTION: GASTRIC LAVAGE WITH 5% SODIUM CARBONATE SOLUTION FOLLOWED BY A DROP OF ALUMINUM HYDROXIDE GEL. OXYGEN IF NECESSARY. CALL A PHYSICIAN.

INHALATION: REMOVE TO FRESH AIR

SECTION V: REACTIVITY DATA

STABILITY DATA: STABLE. AVOID MIX W/ETHYLENE, CAUSTIC MAT., METAL, CHLORINE

INCOMPATIBILITY: GENERATES LRG AMTS OF HEAT IN CONTACT WITH BASES & METALS

HAZARDOUS DECOMPOSITIONN PRODUCTS: HYDROGEN GAS FORMED UPON METAL CORROSION

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI: SPILL OR LEAK PROCEDURES

SMALL SPILLS: REMOVE ALL PERSONS FROM CONTAMINATED AREA. CONTAIN SPILL! COVER WITH SODIUM CARBONATE, MIX, AND THEN ADD WATER TO FORM A SLURRY.

LARGE SPILLS: MATERIAL MAY BE DISCHARGED TO SEWER FOLLOWING NEUTRALIZATION

AVOID BREATHING OF VAPORS AND ABSORPTION THROUGH SKIN.

FOLLOW STATE AND LOCAL REGULATIONS FOR DISPOSAL OF LARGE NON-RECLAIMABLE SPILLS.

SECTION VII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: DEPENDS ON VAPOR CONCENTRATION ABOVE TLV. USE A NIOSH APPROVED CARTRIDGE RESPIRATOR OR GAS MASK.

VENTILATION: LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S)

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: COVER GOGGLES OR FULL FACE SHIELD

OTHER PROTECTIVE EQUIPMENT;RUBBER SUIT & SHOES

SECTION VIII: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID TEMPERATURE EXTREMES. STORE IN A COOL, WELL-VENTILATED PLACE SEPARATED FROM OXIDIZING SUBSTANCES.

OTHER PRECAUTIONS: READ & FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL. THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE MANNER, AND THEY ALSO GIVE YOU THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.