

MATERIAL SAFETY DATA SHEET

ACCUMETRIC LLC
350 RING ROAD
ELIZABETHTOWN, KY 42701

270-769-3385

BOSS® 181 CYANO-GEL

CHEMICAL NAME:	CYANOACRYLATE ADHESIVE	
TRADE NAME:	BOSS® 181 CYANO-GEL	
CHEMICAL FAMILY:	CYANOACRYLATE INSTANT ADHESIVE	
FORMULA:	MIXTURE	
HAZARD CLASS:		
UN NUMBER:		DATE PREPARED:
PACKING GROUP:		August 14, 2000

HAZARDOUS COMPONENTS

NAME:	ETHYL CYANOACRYLATE
CAS NUMBER:	07085850
% BY WEIGHT:	90.00
ACGIH TLV:	NONE ESTABLISHED
OSHA PEL:	NONE ESTABLISHED
OSHA STEL:	NONE ESTABLISHED

PHYSICAL PROPERTIES DATA

BOILING POINT:	>150 DEG C
MELTING POINT:	DEG C
SPECIFIC GRAVITY:	1.070
VAPOR PRESSURE:	(MM HG AT 20 DEG C)
PERCENT VOLATILE:	0 AT 70 DEG F
VAPOR DENSITY:	N/D
SOLUBILITY IN WATER:	MISCIBILITY - NEGLIGIBLE - < 0.1%
APPEARANCE AND ODOR:	COLORLESS PASTE WITH SLIGHTLY PUNGENT ODOR

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT & METHOD: 185 DEG F
TEST METHOD: SETAFLASH CLOSED CUP
FLAMMABLE LIMITS:
LEL%:N/D
UEL%: N/D
EXTINGUISHING MEDIA: WATER, CO2, FOAM, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES:

WHEN FIRE FIGHTING, WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

WATER MAY SPREAD FIRE (PRODUCT FLOATS ON WATER)

HEALTH HAZARD INFORMATION

THRESHOLD LIMIT VALUE: NOT KNOWN

PRIMARY ROUTES OF EXPOSURE:

EYE CONTACT: WARNING! CYANOACRYLATES BOND SKIN RAPIDLY AND STRONGLY. A LARGE DROP MAY CAUSE A BURN UPON SOLIDIFICATION.

SKIN CONTACT: WARNING! CYANOACRYLATES BOND SKIN RAPIDLY AND STRONGLY. A LARGE DROP MAY CAUSE A BURN UPON SOLIDIFICATION.

INHALATION: CAUTION! VAPORS MAY CAUSE IRRITATION OF NOSE AND BRONCHIAL PASSAGES. AVOID PROLONGED EXPOSURE.

INGESTION: CAUTION! IT IS ALMOST IMPOSSIBLE TO SWALLOW CYANOACRYLATES. THE ADHESIVE SOLIDIFIES AND ADHERES IN THE MOUTH. THE LIPS MAY BE STUCK TOGETHER.

OTHER: NO CARCINOGENICITY, MUTAGENICITY OR TERATOGENICITY EFFECTS ARE KNOWN.

CHRONIC EFFECTS OF EXPOSURE:

NO EFFECTS OF CHRONIC EXPOSURE OR TARGET ORGAN EFFECTS ARE KNOWN. NO EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THIS PRODUCT AS FORMULATED.

<u>TEST TYPE</u>	<u>RESULT TYPE</u>	<u>ANIMAL SPECIES</u>	<u>HAZARD RANK</u>
LC (50) - N/D			
LD (50) - N/D			

FIRST AID

EYE FIRST AID:

FLUSH THOROUGHLY WITH LUKEWARM OR TEPID WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN IMMEDIATELY.

SKIN FIRST AID:

IMMERSE BONDED SURFACES IN WARM SOAPY WATER. DO NOT FORCE SEPARATION.

INHALATION FIRST AID:

MOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

INGESTION FIRST AID:

MOUTH - SALIVA SHOULD LIFT THE ADHESIVE IN 12 TO 48 HOURS. DO NOT FORCE REMOVAL. DO NOT SWALLOW THE ADHESIVE WHEN IF LOOSENS LIPS - APPLY PLENTY OF WARM WATER. USE MAXIMUM WETTING AND PRESSURE FROM SALIVA INSIDE OF MOUTH. PEEL OR ROLL THE LIPS APART, GENTLY. CALL A PHYSICIAN.

REACTIVITY DATA

STABLE OR UNSTABLE: STABLE

CONDITIONS TO AVOID: STORE AWAY FROM HEAT AND DIRECT SUNLIGHT. KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE IN A DRY LOCATION.

ETHYL CYANOACRYLATE - CAUTION! CONTACT WITH COTTON OR WOOL MAY RESULT IN A STRONG EXOTHERMIC REACTION WITH CAN CAUSE BURNS OR FIRE. READ THIS MSDS CAREFULLY BEFORE HANDLING PRODUCT.

INCOMPATIBILITY: BASE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID:

SPILL AND DISPOSAL PROCEDURES

SPILL PROCEDURES:

FLOOD AREA WITH WATER TO CURE (HARDEN) CYANOACRYLATE ADHESIVE TO CONTROL PRODUCT VAPORS. SCRAPE UP CURED PRODUCT.

DISPOSAL PROCEDURES:

THIS PRODUCT, IF DISPOSED AS SHIPPED, IS NOT A HAZARDOUS WASTE AS SPECIFIED IN 40 CFR 261. DISPOSE OF IN AN APPROVED LANDFILL IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

PROTECTIVE EQUIPMENT

VENTILATION: LOCAL
RESPIRATORY PROTECTION: N/A WITH LOCAL EXHAUST
PROTECTIVE CLOTHING: POLYETHYLENE GLOVES AND APRON.
(NO COTTON OR WOOL)
EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS

SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:
STORE AWAY FROM HEAT AND DIRECT SUNLIGHT.
KEEP CONTAINER CLOSED WHEN NOT IN USE.
STORE IN A DRY LOCATION.

SPECIAL COMMENTS:
THIS PRODUCT AND/OR ALL OF IT'S COMPONENTS ARE REGISTERED AS
REQUIRED BY TSCA.
NON-HAZARDOUS INGREDIENTS WITHHELD UNDER PA TRADE SECRET STATUS

SUBSTANCES LISTED AS HAZARDOUS COMPONENT(S) ARE AS DEFINED IN 49 CFR
172 AND 29 CFR 1910 WHICH ARE PRESENT IN THIS PRODUCT AND ALL
COMPONENTS WHICH APPEAR ON THE HAZARDOUS SUBSTANCE LIST OF ANY
STATE.

ETHYL CYANOACRYLATE - CAUTION! CONTACT WITH COTTON OR WOOL MAY
RESULT IN A STRONG EXOTHERMIC REACTION WHICH CAN CAUSE BURNS OR
FIRE. READ THIS MSDS CAREFULLY BEFORE HANDLING PRODUCT.

EPA SARA TITLE III HAZARD CLASS:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE
REPORTING REQUIREMENTS OF EPA SARA TITLE III SECTION 313 (40CFR372):

<u>CHEMICAL</u>	<u>CAS NUMBER</u>	<u>WEIGHT PERCENT</u>
-----------------	-------------------	-----------------------

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS CONSIDERED BY THE
STATE OF CA'S SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986
(PROPOSITION 65) AS CAUSING CANCER OR REPRODUCTIVE TOXICITY AND FOR
WHICH WARNINGS ARE NOW REQUIRED:

<u>CHEMICAL</u>	<u>CAS NUMBER</u>	<u>WEIGHT PERCENT</u>
-----------------	-------------------	-----------------------