

**24-HOUR EMERGENCY PHONE NO; CHEMTREC, 800/424-9300****MATERIAL SAFETY DATA SHEET -Hi-Stik Advantage**

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

TRADE NAME: **Hi-Stik Advantage (BK 9 - 79-J)**

CHEMICAL NAME: N/A MIXTURE

CHEMICAL FAMILY: MODIFIED EVA ACRYLIC RESIN ADHESIVE

FORMULA: N/A

\* H.M.I.S. CODE:

HEALTH: 1

REACTIVITY: 0

FLAMMABILITY: 0

\* KEY: 0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe

Each customer or recipient of this MATERIAL SAFETY DATA SHEET is urged to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference words or individuals that are experts in ventilation, toxicology and fire prevention, as necessary or appropriate to use and understand the data contained in this M.S.D.S.

The requirements of OSHA HAZARD COMMUNICATION 29CFR PART 1910.1200 requires that information regarding hazardous material contained in this M.S.D.S. be communicated and made accessible to your employees, agents, contractors and others, whom it knows or believes will use this material or the information in this M.S.D.S. and any other information regarding hazards or safety.

This information is also intended to notify you that the product(s) you purchase may contain one or more ingredients listed under SECTION 313 OF TITLE III and 40CFR 372, obligating the manufacturer, user and/or distributor to annually report any releases to the environment of any toxic chemical. The name and the percentage of such chemicals are listed on the M.S.D.S. under the HAZARDOUS INGREDIENTS SECTION II and are identified by the CHEMICAL ABSTRACT SERVICE REGISTRY NUMBER (C.A.S. No.). A copy of this notification may be used by you, as one of our customers, to, in turn, notify your customers and/or end-users. Said notification must be made, in writing, with the FIRST SHIPMENT OF EACH CALENDAR YEAR BEGINNING JANUARY 1989.

**SECTION I-PHYSICAL DATA**

SOLUBILITY IN WATER:	DISPERSABLE
APPEARANCE AND ODOR:	OFF WHITE & TYPICAL ODOR
SPECIFIC GRAVITY:	(WATER = 1) 1.05 ± 0.05
PERCENT VOLATILE BY VOLUME:	39% ± 2%
BOILING POINT:	100C / 212F
FREEZING POINT:	0C / 32F
EVAPORATION RATE:	N/A
VAPOR DENSITY:	N/A
pH:	5 ± 1

**MATERIAL SAFETY DATA SHEET-Hi-Stik Advantage**

**FDA STATUS**

This product complies with FDA Regulation 21 CFR, Sub-Paragraph 175.105 for adhesives and carries the label statement "FOOD PACKAGING ADHESIVES" as required by the regulations.

**SECTION II-HAZARDOUS INGREDIENTS**

SOLVENTS: NONE

CATALYST: N/A

ADDITIVES: NONE

PIGMENTS: NONE

FLAMMABILITY: NON-FLAMMABLE

OTHER: NONE

**SECTION III-FIRE FIGHTING INFORMATION**

UNUSUAL HAZARDS: MATERIAL CAN SPLATTER ABOVE 100C/212F

EXTINGUISHING AGENTS: USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

PERSONAL PROTECTIVE EQUIPMENT: WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

**SECTION IV-SPILL OR LIEAK HANDLING INFORMATION**

PERSONAL PROTECTION: APPROPRIATE PROTECTIVE EQUIPMENT MUST BE WORN WHEN HANDLING A SPILL OF THIS MATERIAL. SEE THE PERSONAL PROTECTION MEASURES SECTION FOR RECOMMENDATIONS. IF EXPOSED TO MATERIAL DURING CLEAN-UP OPERATIONS. SEE THE FIRST AID PROCEDURES SECTION FOR ACTIONS TO FOLLOW. KEEP SPECTATORS AWAY. FLOOR MAY BE SLIPPERY; USE CARE TO AVOID FALLING. CONTAIN SPILLS IMMEDIATELY WITH INERT MATERIALS (e.g. sand, earth). TRANSFER LIQUIDS AND SOLID DIKING MATERIALS TO SEPARATE SUITABLE CONTAINERS FOR RECOVERY OR DISPOSAL.

CAUTION: KEEP SPILLS AND CLEANING RUNOFFS OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER. FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS FOR DISPOSAL.

**MATERIAL SAFETY DATA SHEET-Hi-Stik Advantage**

**SECTION V-HAZARD INFORMATION  
HEALTH EFFECTS FROM OVEREXPOSURE**

PRIMARY ROUTES OF EXPOSURE: INHALATION, SKIN CONTACT

INHALATION: INHALATION OF VAPOR OR MIST CAN CAUSE THE FOLLOWING ... NAUSEA, IRRITATION OF NOSE, THROAT, AND LUNGS.

EYE CONTACT: DIRECT CONTACT WITH MATERIAL CAN CAUSE THE FOLLOWING ... SLIGHT IRRITATION.

SKIN CONTACT: PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE THE FOLLOWING ... SLIGHT SKIN IRRITATION.

**FIRE & EXPLOSIVE PROPERTIES**

FLASH POINT	NON-FLAMMABLE
AUTO-IGNITION TEMPERATURE	NOT APPLICABLE
LOWER EXPLOSIVE LIMIT	NOT APPLICABLE
UPPER EXPLOSIVE LIMIT	NOT APPLICABLE

FOR ADDITIONAL INFORMATION, REFER TO SECTION III OF THIS M.S.D.S. FOR FIREFIGHTING INFORMATION.

REACTIVITY INFORMATION: INSTABILITY ... THIS MATERIAL IS CONSIDERED STABLE. AVOID TEMPERATURES ABOVE 177C / 350F-THE ONSET OF THERMAL DECOMPOSITION. THERMAL DECOMPOSITION IS DEPENDENT OF TIME AND TEMPERATURE.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY YIELD VINYL ACETATE MONOMER.

HAZARDOUS POLYMERIZATION: PRODUCT WILL NOT UNDERGO POLYMERIZATION.

INCOMPATIBILITY: AVOID MATERIALS THAT REACT WITH WATER AND STRONG OXIDIZERS.

**SECTION VI-EMERGENCY RESPONSE INFORMATION  
FIRST AID PROCEDURES**

INHALATION: MOVE SUBJECT TO FRESH AIR

EYE CONTACT: FLUSH EYES WITH A LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

SKIN CONTACT: WASH AFFECTED SKIN AREAS THOROUGHLY WITH SOAP AND WATER. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

**MATERIAL SAFETY DATA SHEET-Hi-Stik Advantage**

INGESTION: IF SWALLOWED, GIVE 2 GLASSES OF WATER TO DRINK. CONSULT A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

RESPIRATORY PROTECTION: NONE REQUIRED IF AIRBORNE CONCENTRATIONS ARE MAINTAINED BELOW THE TW A/TLVs LISTED IN SECTION II HAZARDOUS INGREDIENTS. FOR HIGHER CONCENTRATIONS, WE SUGGEST THE USE OF MSHA/NIOSH APPROVED MASKS.

EYE PROTECTION: USE CHEMICAL SPLASH GOGGLES.

HAND PROTECTION: WE SUGGEST THE USE OF RUBBERIZED *AND/OR* NEOPRENE GLOVES FOR PROTECTION AGAINST PERMEATION.

**SECTION VII-FACILITY CONTROL MEASURES**

VENTILATION: WE RECOMMEND A WELL-VENTILATED WORKSPACE.

FOR ADDITIONAL INFORMATION, CONSULT THE MANUAL OF RECOMMENDED PRACTICE PUBLISHED BY THE AMERICAN CONFERENCE OF GOVERNMENT INDUSTRIAL HYGIENISTS FOR INFORMATION ON THE DESIGN, INSTALLATION, USE AND MAINTENANCE OF EXHAUST SYSTEMS.

OTHER PROTECTIVE EQUIPMENT: FACILITIES STORING OR UTILIZING THIS MATERIAL SHOULD BE EQUIPPED WITH AN EYEWASH AND SAFETY SHOWER FACILITY. ADHERE TO WORK PRACTICE RULES ESTABLISHED BY GOVERNMENT REGULATIONS (e.g. OSHA).

**STORAGE & HANDLING INFORMATION**

STORAGE CONDITIONS: THE MINIMUM RECOMMENDED STORAGE TEMPERATURE FOR THIS MATERIAL IS 1C / 34F. THE MAXIMUM RECOMMENDED STORAGE TEMPERATURE FOR THIS MATERIAL IS 49C / 120F. STORE IN A WELL-VENTILATED AREA.

HANDLING PROCEDURES: MONOMER VAPES CAN BE EVOLVED WHEN MATERIAL IS HEATED DURING PROCESSING OPERATIONS. SEE FACILITY CONTROL MEASURES SECTION FOR TYPES OF VENTILATION REQUIRED. AVOID PROLONGED OR REPEATED SKIN CONTACT; AVOID BREATHING VAPORS.

WASTE DISPOSAL PROCEDURE: ABIDE BY LOCAL, STATE, AND FEDERAL REGULATIONS.

TRANSPORTATION CLASSIFICATIONS: DEPT. OF TRANSPORTATION HAZARDOUS CLASSIFICATION-NON-REGULATED

DATE: 6/15/01

PAGE 5 of 5

**MATERIAL SAFETY DATA SHEET -Hi-Stik Advantage**

REGULATORY INFORMATION WORKPLACE CLASSIFICATIONS

EMERGENCY PLANNING & COMMUNITY RIGHT -TO-KNOW (SARA TITLE III):

SECTION 311/312 CATEGORIZATIONS (40CFR 370):

ABBREVIATIONS:

ACGIH AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS  
OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION  
TLV THRESHOLD LIMIT VALUE  
PEL PERMISSIBLE EXPOSURE LIMIT  
TWA TIME WEIGHTED AVERAGE EXPOSURE  
STEL SHORT-TERM EXPOSURE LIMIT

ADDITIONAL INFORMATION:

THIS INFORMATION AND THE RECOMMENDATIONS CONTAINED IN THIS MATERIAL SAFETY DATA SHEET ARE FROM SOURCES BELIEVED TO BE RELIABLE AND TO REPRESENT THE MOST REASONABLE CURRENT OPINION ON THE SUBJECT WHEN THE M.S.D.S WAS PREPARED. NO WARRANTY, GUARANTEE, OR REPRESENTATION IS MADE AS TO THE CORRECTNESS OR SUFFICIENCY OF THE INFORMATION. THE USER OF THIS PRODUCT MUST DECIDE WHAT SAFETY MEASURES ARE NECESSARY TO SAFELY USE THIS PRODUCT, EITHER ALONE OR IN COMBINATION WITH OTHER PRODUCTS, AND DETERMINE ITS ENVIRONMENTAL REGULATORY COMPLIANCE OBLIGATIONS UNDER ANY APPLICABLE FEDERAL, STATE, OR LOCAL COMMUNITY LAWS.