

MATERIAL SAFETY DATA SHEET

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MSDS Number: GS264BK ; GS500 ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: GLUE STICKS ALL PURPOSE 6/PK
HMIS Ratings:

Health: Minimal(0)
 Flammability: Minimal(0)
 Instability/Reactivity: Minimal(0)
 Personal Protective Equipment: B

NFPA Ratings:

Health: Minimal(0)
 Flammability: Minimal(0)
 Instability/Reactivity: Minimal(0)

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
Other:	THIS PRODUCT IS NOT HAZARDOUS AS DEFINED IN 29 CFR 1910.1200 TOXICITY DATA: CONFORMS TO ASTM D-4236 AS NON-TOXIC.						

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: VAPORS AND FUMES RELEASED AT OR ABOVE APPLICATION TEMPERATURE MAY CAUSE IRRITATION.

Skin: HOT MOLTEN ADHESIVE WILL BURN AND BLISTER SKIN TISSUE.

Ingestion: INGESTION IS NOT LIKELY ROUTE OF EXPOSURE. SMALL AMOUNTS ARE NOT ANTICIPATED TO BE HARMFUL.

Inhalation: VAPORS AND FUMES RELEASED AT OR ABOVE APPLICATION TEMPERATURE MAY CAUSE IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT.

Signs and Symptoms of

Exposure:

Medical Conditions

NO KNOWN EFFECTS ON OTHER ILLNESSES.

Aggravated by Exposure:

Other:

CARCINOGENICITY: IARC, NTP, AND OSHA DO NOT LIST AD-TECH 229 AS A CARCINOGEN.

CHRONIC EFFECTS: NO ANTICIPATED CHRONIC EFFECTS.

IV. FIRST AID MEASURES

Eyes: HOT MOLTEN ADHESIVE WILL ADHERE TO AND BURN EYE AND SURROUNDING SKIN UPON CONTACT. IMMEDIATELY FLUSH AFFECTED AREA WITH COLD WATER TO COOL ADHESIVE. DO NOT PULL SOLIDIFIED ADHESIVE FROM EYE. SEEK MEDICAL ATTENTION.

Skin: HOT MOLTEN ADHESIVE WILL ADHERE TO AND BURN SKIN UPON CONTACT. IMMEDIATELY IMMERGE AFFECTED AREA IN ICE WATER. DO NOT PULL SOLIDIFIED ADHESIVE FROM SKIN. SEEK MEDICAL ATTENTION.

Ingestion:	IF INGESTED, SEEK MEDICAL ATTENTION.
Inhalation:	IF IRRITATION OCCURS, REMOVE TO FRESH AIR.
Other:	AFTER FIRST AID, GET APPROPRIATE IN-PLANT, PARAMEDIC, OR COMMUNITY MEDICAL SUPPORT. NOTE TO PHYSICIANS: THIS ADHESIVE WAS DETERMINED BY A TOXICOLOGIST TO BE NON-TOXIC. SPECIAL PRECAUTIONS/PROCEDURES: NONE.

V. FIRE FIGHTING MEASURES

Flash Point:	>450°F(>232°C)
Test Method:	CC
Extinguishing Agents:	CARBON DIOXIDE, FOAM.
Unusual Fire or Explosion	NONE.
Hazards:	
Fire Fighting Procedures:	SPECIAL FIRE-FIGHTING INSTRUCTIONS: NONE. BECAUSE FIRE MAY PRODUCE TOXIC THERMAL DECOMPOSITION PRODUCTS, WEAR A SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR POSITIVE-PRESSURE MODE.
Other:	AUTO-IGNITION TEMPERATURE: >800°F (>427°C)

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	NORMAL HOUSEKEEPING AND CLEAN UP (NO SPECIAL PROCEDURES).
Other:	REGULATORY REQUIREMENTS: NONE.

VII. HANDLING AND STORAGE

Other:	HANDLING PRECAUTIONS: NO SPECIAL HANDLING NECESSARY. STORAGE REQUIREMENTS: STORE IN COOL DARK AREA.
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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:	WEAR PROTECTIVE EYEGLASSES OR SAFETY GOGGLES, PER OSHA EYE- AND -FACE-PROTECTION REGULATIONS (29 CFR 1910.133). CONTACT LENSES ARE NOT EYE PROTECTIVE DEVICES. APPROPRIATE EYE PROTECTION MUST BE WORN INSTEAD OF, OR IN CONJUNCTION WITH CONTACT LENSES.
Skin:	WEAR PROTECTIVE GLOVES AND LONG SLEEVED SHIRT TO PREVENT SKIN CONTACT.
Respiratory:	NOT REQUIRED UNDER NORMAL USE.
Engineering:	ENGINEERING CONTROLS: LOCAL VENTILATION RECOMMENDED. VENTILATION: PROVIDE GENERAL OR LOCAL EXHAUST VENTILATION TO AREAS USING THIS ADHESIVE. LOCAL EXHAUST VENTILATION IS PREFERRED BECAUSE IT PREVENTS CONTAMINANT DISPERSION INTO THE WORK AREA BY CONTROLLING IT AT ITS SOURCE.
Other:	ADMINISTRATIVE CONTROLS: NOT APPLICABLE. SAFETY STATIONS: MAKE EMERGENCY EYEWASH STATIONS, SAFETY/QUICK-DRENCH SHOWERS, AND WASHING FACILITIES AVAILABLE IN WORK AREA.

CONTAMINATED EQUIPMENT: COOLED ADHESIVE MAY BE REMOVED FROM CLOTHING BY FREEZING AFFECTED AREA AND PICKING OFF.
 COMMENTS: NEVER EAT, DRINK, OR SMOKE IN WORK AREAS. PRACTICE GOOD PERSONAL HYGIENE AFTER USING THIS MATERIAL, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, USING THE TOILET, OR APPLYING COSMETICS.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: TRANSLUCENT/CLEAR
Boiling Point: NOT APPLICABLE
pH: NOT ESTABLISHED
Solubility in Water: NIL
Specific Gravity: (H₂O=1, AT 4°C): .98
Vapor Pressure: NOT APPLICABLE
Vapor Density: (AIR=1): NOT APPLICABLE
Physical State: 100% SOLIDS.
Volatile Content: % VOLATILE: NIL.

Other: MELTING POINT: 190°F (89°C).
 VISCOSITY: 10,000 CENTIPOISE @ 350°F
 EVAPORATION RATE: NOT APPLICABLE.

X. STABILITY AND REACTIVITY

Stability: STABLE.

Hazardous Polymerization: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

Hazardous Decomposition Products: THERMAL OXIDATIVE DECOMPOSITION OF AD-TECH 229 CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE.

Incompatible Products: STRONG OXIDIZING AGENTS.

XI. TOXICOLOGICAL INFORMATION

XII. ECOLOGICAL INFORMATION

Ecotoxicity:

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: FOLLOW APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS FOR PROPER DISPOSAL PROCEDURES.

XIV. TRANSPORT INFORMATION

XV. REGULATORY INFORMATION

EPA Sara Title III Chemical Listings: RCRA HAZARDOUS WASTE NUMBER: NOT APPLICABLE.
 RCRA HAZARDOUS WASTE CLASSIFICATION: NOT APPLICABLE.
 CERCLA HAZARDOUS SUBSTANCE (40 CFR 302.4): UNLISTED, SPECIFIC PER RCRA, SEC. 3001; CWA, SEC. 311(b)(4); CWA, SEC. 307(a), CAA, SEC. 112
 CERCLA REPORTABLE QUANTITY (RQ), NOT APPLICABLE.
 SARA 311/312 CODES: NOT APPLICABLE.
 SARA TOXIC CHEMICAL (40 CFR 372.65): NOT LISTED.
 SARA EHS (EXTREMELY HAZARDOUS SUBSTANCE)(40 CFR 355): NOT APPLICABLE, NON-HAZARDOUS.
 OSHA REGULATIONS:
 AIR CONTAMINANT (29 CFR 1910.1000, TABLE Z-1, Z-1-A): NOT APPLICABLE.

AIR CONTAMINANT(29 CFR 1910.1000, TABLE Z-1, Z-1-A): NOT APPLICABLE.
OSHA SPECIFICALLY REGULATED SUBSTANCE (29CFR 1910): NOT APPLICABLE.

Supplemental State STATE REGULATIONS: NONE.
Compliance Information:

XVI. OTHER INFORMATION

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.