



Safety Data Sheet

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Rev. 1

PKG9056 LV05

Water Based Adhesive

APPLIED Products, Inc.

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Tradename/Formula: PKG9056 LV05

Compound Type: Water Based Adhesive

2. HAZARDS IDENTIFICATION

OSHA HAZCOM 2012/GHS HAZARD CLASSIFICATION: Not hazardous.

NO PICTOGRAM REQUIRED

LABELING: This product is not classified as hazardous in accordance with the OSHA Hazard Communication Standard 29CFR 1910.1200 (2012) or Canadian WHMIS 2015.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

CHEMICAL NAME	CAS NO.	CONCENTRATION (% w/w)
glycerol	56-81-5	1-5%

4. FIRST AID MEASURES

EYES: Irrigate with eyewash solution or clean water until pain is relieved, at least 15 minutes. Obtain medical attention.

SKIN: Wash skin with soap and water. If symptoms develop, obtain medical attention.

INHALATION: Remove to fresh air. Get medical attention if irritation persists.

INGESTION: Treat symptomatically and supportively. Get medical attention, DO NOT attempt to give anything by mouth to an unconscious person. Provide medical care provider with this SDS.

MOST IMPORTANT SYMPTOMS/EFFECTS ACUTE AND DELAYED: May cause mild eye and skin irritation.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NECESSARY: None normally required.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Liquid is not combustible. For dry film use water spray or fog, CO₂, dry chemical; Foam.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: This is a water-based product and presents no particular fire or explosion hazard. Cool closed containers exposed to fire with water spray. Dry polymer film will burn. Product contains low level of organic volatiles which may be emitted at elevated temperatures. Hazardous combustion products include carbon monoxide, carbon dioxide, unknown hydrocarbons.

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6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, and EMERGENCY PROCEDURES: No special protection is normally required. Refer to protective measures listed in sections 7 and 8.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Washings must be prevented from entering surface water drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Absorb spillages onto sand, earth or any suitable absorbent material. Sweep up and shovel into waste drums. Wash the spillage area with water.

For safety and environmental precautions, please review entire Safety Data Sheet for necessary information.

7. HANDLING and STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid breathing vapors. Avoid contact with eyes. Product contains low level of organic volatiles which could accumulate in the unvented headspace of drums or bulk storage vessels. Open drums in well ventilated areas. Remove contaminated clothing and launder before reuse. Wash before eating, drinking, or using toilet facilities.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Avoid extreme temperatures. Protect from freezing.

STORAGE TEMPERATURE: 40°F – 100°F

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
glycerol	56-81-5	TWA (mist, respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (mist, total dust)	15 mg/m ³	OSHA Z-1
		TWA (Total)	10 mg/m ³	OSHA PO
		TWA (Respirable fraction)	5 mg/m ³	OSHA PO
		TWA	10 mg/m ³	ACGIH

EXPOSURE GUIDELINES

APPROPRIATE ENGINEERING CONTROLS: Good general ventilation should be adequate. In case of insufficient ventilation, wear suitable respiratory equipment.

PERSONAL PROTECTION

EYE PROTECTION: Wear safety glasses with side shields. Protect against splashing.

GLOVES: The use of chemically resistant, nitrile rubber, gloves are recommended.

PROTECTIVE CLOTHING: Uniforms, coveralls, or a lab coat should be worn. Rubber boots and apron if exposure is severe.

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RESPIRATORY PROTECTION: None required under normal handling conditions. Use NIOSH approved respirator if vapor or mist levels are irritating.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE: Liquid

ODOR THRESHOLD: Not established

MELTING/FREEZING POINT: Approximately 32°F

FLASH POINT: > 212 °F

FLAMMABILITY (SOLID, GAS): Not applicable

FLAMMABLE LIMITS: LEL: Not applicable

VAPOR PRESSURE: Same as water

RELATIVE DENSITY: Approximately 1.2193

PARTITION COEFFICIENT, N-OCTANOL/WATER: No Data Available

AUTO-IGNITION TEMPERATURE: Not available

DECOMPOSITION TEMPERATURE: Not available

% NON VOLATILES: Approximately 50 %/w

COLOR: White

ODOR: Slight

INITIAL BOILING POINT/RANGE: >212°F

EVAPORATION RATE: Same as water

pH: Approximately 4 - 6

UEL: Not applicable

VAPOR DENSITY: Same as water

SOLUBILITY(IES): Miscible in water

VISCOSITY: 400 - 700 cP

10. STABILITY AND REACTIVITY

REACTIVITY: Not reactive

CHEMICAL STABILITY: Stable

POSSIBILITY OF HAZARDOUS REACTIONS: Reactions with oxidizers may generate heat.

CONDITIONS TO AVOID: Protect from temperatures below 40°F

INCOMPATIBLE MATERIALS TO AVOID: Strong oxidizers, materials that react with water.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous combustion products include carbon monoxide, carbon dioxide, unknown hydrocarbons.

11. TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY: Eye Contact; Skin Contact; Inhalation; Ingestion

ACUTE (SHORT TERM) EFFECTS OF EXPOSURE

EYE: Slight/mild irritant

SKIN CONTACT: Repeated or prolonged skin contact may result in mild irritation.

INHALATION: Vapor or aerosol, if generated, can cause irritation of the eyes, nose and respiratory tract.

INGESTION: Ingestion may cause irritation of the gastrointestinal tract.

CHRONIC (LONG TERM) EFFECTS OF EXPOSURE: No chronic effects are known.

NUMERICAL MEASURES OF TOXICITY: Ingredients are not acutely toxic

CARCINOGENICITY: None of the ingredients are listed as carcinogens by IARC, NTP or OSHA.

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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GERM CELL MUTAGENICITY: No data available

REPRODUCTIVE TOXICITY: No data available

STOT-SINGLE EXPOSURE: No data available (STOT = Specific Target Organ Toxicity)

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data is available

Environmental Fate: No data is available

Bioaccumulative potential: No data is available

Mobility in soil: No data is available

13. DISPOSAL CONSIDERATIONS

To the best of our ability, this product does not meet the definition of hazardous waste under US EPA Hazardous Waste Regulations 40CFR261. Disposal via at an approved facility is recommended. Consult state, local or provincial authorities for more restrictive requirements. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

14. TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

DOT: Not Regulated

UNRTDG: Not regulated as a dangerous good

IATA: Not Regulated

IMDG-Code: Not regulated as a dangerous good

15. REGULATORY INFORMATION

TSCA Inventory Status and TSCA Information: This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12 (B) Export Notification: This material does not contain any TSCA 12 (b) regulated chemicals.

DSL: All components of this product are on the Canadian DSL

AICS: On the inventory, or in compliance with the inventory

KECI: On the inventory, or in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory

Legend: TSCA (USA), DSL (Canada), REACH(Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.



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SARA 311/312 Hazard Class: This product does not present any SARA 311/312 hazards.

SARA 313 Chemicals: This material does not contain any SARA 313 chemical above de minimus levels.

Clean Air Act: This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

California Prop 65: Please contact Supplier for more information.

16. OTHER INFORMATION

HMIS® Hazard Ratings

Health: 0 Fire Hazard: 0 Reactivity: 0

APPLIED Adhesives // 6035 Baker Road, Minnetonka, MN 55345 toll free 800.365.2480 fax 800.324.8248 www.applied-adhesives.com

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