



MATERIALS SAFETY DATA SHEET

Date Revised May 9, 2011 4th Edition

FOR CHEMICAL EMERGENCY

During Business Hours: (800) 966-3458

Outside Business Hours: (800) 420-7186

1. IDENTIFICATION OF PRODUCT

Product Name: Gorilla Wood Glue
Product Description: Polyvinyl Acetate Polymer product in water

Manufacturer: The Gorilla Glue Company
4550 Red Bank Expressway
Cincinnati, OH 45227
Tel: (513) 271-3300

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, light tan

HMIS: Health-0, Flammability-1, Physical hazards - 0

CAUTION! MAY BE HARMFUL IF SWALLOWED

Potential Health Effects

Exposure routes

Inhalation, Skin contact, Eye contact, Ingestion

Eye contact

May cause mild eye irritation. Symptoms include stinging, tearing, and redness

Skin contact

May cause mild skin irritation. Symptoms may include redness and burning of skin.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects.

Swallowing large amounts may be harmful.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Aggravated Medical Condition

Preexisting disorders of skin and lungs may be aggravated by exposure to this material (for example, asthma-like conditions).

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS# | % by weight |
|-----------------------|----------------------|-------------|
| WATER | 7732-18-5 | 45 - 55 |
| POLYMER | NJTS# 800986-5114P | 40 - 50 |
| ALCOHOL ESTER POLYMER | 25213-24-5 | 1.5 - 5 |
| GLYCOL | NJTS# 254504001-5684 | 1 - 1.5 |
| ALUMINUM CHLORIDE | 7446-70-0 | 1 - 1.5 |
| FORMALDEHYDE | 50-00-0 | 85ppm |
| ACETALDEHYDE | 75-07-0 | 15ppm |
| PROPYLENE OXIDE | 75-56-9 | < 1ppm |



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4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

5. FIRE- FIGHTING MEASURES

Suitable extinguishing media

Water mist, Carbon dioxide (CO₂), Dry chemical

Hazardous combustion products

Carbon dioxide and carbon monoxide, hydrogen, sulphur oxides, hydrocarbons, toxic fumes, aluminum oxides, chlorine, hydrogen chloride

Precautions for fire-fighting

No special fire hazards are known to be associated with this product. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

Methods for cleaning up

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

Disposal

Consult your state or local authorities for proper disposal in the event more restrictive requirements apply.

7. HANDLING AND STORAGE

Handling

Containers retain product residues, all hazard precautions given in the data sheet must be observed.

Storage

Store in a cool, dry, ventilated area. Keep containers closed when not in use. Do not store near extreme heat, open flame, or sources of ignition. Protect from freezing – product stability may be affected.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Aluminum Chloride

| | | |
|-----------|----------------------------------|---------------------|
| ACGIH | Time weighted average | 2 mg/m ³ |
| NIOSH | Recommended exposure limit (REL) | 2 mg/m ³ |
| OSHA Z1A | Time weighted average | 2 mg/m ³ |
| US CA OEL | Time weighted average (TWA) | 2 mg/m ³ |
| | Permissible Exposure Limit (PEL) | |

Eyes Wear chemical safety goggles to reduce the potential for eye contact. Eye wash fountain should be available.

Skin Use impermeable chemical gloves and wear appropriate protective clothing. Launder contaminated clothing before reuse.

Respiratory Respiratory protection is not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

Ventilation Standard industrial ventilation is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state liquid

Color light tan

Odor No data

Boiling point (>) 212.00 °F (100°C) @ 760.00 mmHg

pH 3.0

Flash point (>) 93.40 °C Closed Cup

Evaporation rate No data

Lower explosion limit/Upper explosion limit No data

Vapor pressure 18.620 mmHg @ 70.00 °F (21°C)

Density 1.08 g/cm³ @ 77.0 °F / 25.0 °C, 8.99 lb/gal @ 77.0 °F / 25.0 °C

Solubility dispersible in water

VOC content <2.2% (24 g/L SCAQMD Compliant)

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: Excessive heat

Incompatible products: Alkalis, oxidizers, allyl chloride, organic nitro compounds, oxygen difluoride, potassium, sodium

Hazardous decomposition products: carbon dioxide, carbon monoxide, hydrogen, hydrocarbons, aluminum oxides, chlorine, hydrogen chloride

Hazardous polymerization: Will not occur



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11. TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS:

Acute oral toxicity

ALCOHOL ESTER POLYMER : no data available

ALUMINUM CHLORIDE : LD 50 Rat: 370 mg/kg

Acute inhalation toxicity

ALCOHOL ESTER POLYMER : no data available

ALUMINUM CHLORIDE : no data available

Acute dermal toxicity

ALCOHOL ESTER POLYMER : no data available

ALUMINUM CHLORIDE : LD 50

Rabbit:(>) 2 g/kg

12. ECOLOGICAL INFORMATION

Not a marine pollutant.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Contaminated absorbent may be deposited in a landfill in accordance with local, state and federal regulations.

Destroy by liquid incineration in accordance with applicable regulations. Dispose of in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

U.S. DOT - ROAD

Not dangerous goods

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods

TRANSPORT CANADA - RAIL

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods



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15. REGULATORY INFORMATION

California Prop. 65

This product contains trace amounts of chemicals known to the State of California to cause cancer: formaldehyde, acetaldehyde, propylene oxide.

SARA Hazard Classification

Acute Health Hazard

New Jersey RTK Label Information

| | |
|-----------------------|----------------|
| WATER | 7732-18-5 |
| POLYMER | 800986-5114P |
| ALCOHOL ESTER POLYMER | 254504001-5615 |
| GLYCOL | 254504001-5684 |
| ALUMINUM CHLORIDE | 7446-70-0 |

Pennsylvania RTK Label Information

| | |
|-----------------------|----------------|
| WATER | 7732-18-5 |
| ALCOHOL ESTER POLYMER | 254504001-5615 |
| GLYCOL | 254504001-5684 |
| ALUMINUM CHLORIDE | 7446-70-0 |

Notification status

| | |
|---|----------------------|
| EU. EINECS | y (positive listing) |
| US. Toxic Substances Control Act | y (positive listing) |
| Australia. Industrial Chemical (Notification and Assessment) Act | y (positive listing) |
| Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133) | y (positive listing) |
| Japan. Kashin-Hou Law List | n (Negative listing) |
| Korea. Toxic Chemical Control Law (TCCL) List | n (Negative listing) |
| Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act | y (positive listing) |
| China. Inventory of Existing Chemical Substances | y (positive listing) |

16. OTHER INFORMATION

The information presented in this Material Safety Data Sheet was prepared by qualified personnel and to the best of our knowledge is true and accurate. The information and recommendations are furnished for this product with the understanding that the purchaser will independently determine the suitability of the product for this purpose. This data does not constitute a warranty, expressed or implied, statutory or otherwise, nor is it representation for which The Gorilla Glue Company assumes legal responsibility. The data is submitted for the user's information and consideration only. Any use of this product must be determined by the user to be in accordance with applicable federal, state, provincial and local laws and regulations.