



# Genemed GVA Aqueous Mounting Solution

## Safety Data Sheet

US-SDS according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Genemed GVA Aqueous Mounting Solution  
Product code : 10-0033

#### 1.2. Recommended use and restrictions on use

Laboratory chemicals

#### 1.3. Supplier

Sakura Finetek USA Inc.  
1750 West 214th St.  
Torrance, CA 90501  
T 1-310-972-7800

#### 1.4. Emergency telephone number

CHEMTREC 1-800-424-9300  
Email: [SDSsupport@sakuraus.com](mailto:SDSsupport@sakuraus.com)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

**GHS US classification** - This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Specific Target organ toxicity ( Repeated exposure) Category 2  
Target Organs – Kindey, Liver

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

|                         |   |
|-------------------------|---|
| Signal word             | Warning   |
| Hazard Statement        | May cause damage to organs through prolonged or repeated exposure |
| Precautionary Statement | Do not breathe dust/fume/mist/vapors/spray                        |
| Response                | Get medical attention/advice if you feel unwell                   |
| Disposal                | Dispose of contents/container to an approved waste disposal plant |

#### 2.3. Other hazards which do not result in classification

None identified

#### 2.4. Unknown acute toxicity (GHS US)

? % of the mixture consists of ingredients of unknown toxicity.

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Mixtures

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### 3.2. Mixtures

| Name                              | CAS Number | %       |
|-----------------------------------|------------|---------|
| Tris (hydroxymethyl) aminomethane | 77-86-1    | < 1.0   |
| Sodium azide                      | 26628-22-8 | < 0.1   |
| Polyvinyl alcohol                 | 9002-89-5  | 7 - 13  |
| Water                             | 7732-18-5  | 85 - 90 |

The specific chemical component identities and/or the exact component percentages of this material may be withheld as trade secrets.

This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (I)(1). Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/ inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.
- First-aid measures after skin contact : Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
- First-aid measures after eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
- First-aid measures after ingestion : Do not induce vomiting. Obtain medical attention.

### 4.2. Most important symptoms and effects (acute and delayed)

No information available.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Thermal decomposition can lead to release of irritating gases and vapors.  
Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>)

### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

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### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

### 6.2. Environmental precautions

See Section 12 for additional ecological information. Should not be released into the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Do not flush down the drain.

Other information : Sodium azide may react with plumbing systems to form highly explosive compounds.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Ensure adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Hygiene measures : Do not flush down the drain. Sodium azide may react with plumbing systems to form highly explosive compounds

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : . Keep containers tightly closed in a dry, cool and well-ventilated place

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Component    | ACGIH TLV  | OSHA PEL   | NIOSH IDLH   |
|--------------|--|--|--|
| Sodium azide | Ceiling: 0.29 mg/m <sup>3</sup><br>Ceiling: 0.11 ppm | Skin<br>(Vacated) Ceiling: 0.1 ppm<br>(Vacated) Ceiling: 0.3 mg/m <sup>3</sup> | Ceiling: 0.1 ppm<br>Ceiling: 0.3 mg/m <sup>3</sup> |

| Component    | Quebec  | Mexico OEL (TWA) | Ontario TWAEV                                |
|--------------|---|------------------|--|
| Sodium azide | Ceiling: 0.11 ppm<br>Ceiling: 0.3 mg/m <sup>3</sup> | N/A              | CEV: 0.29 mg/m <sup>3</sup><br>CEV: 0.11 ppm |

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls : Ensure adequate ventilation, especially in confined areas.

### 8.3. Individual protection measures/Personal protective equipment

|  |
|--|
| <b>Hand protection:</b>  |
| Handle in accordance with good industrial hygiene and safety practice. |

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### Eye protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

### Skin and body protection:

Wear appropriate protective gloves and clothing to prevent skin exposure.

### Respiratory protection:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                            |
|---|----------------------------|
| Physical state                                  | : viscous liquid           |
| Color   | : Colorless                |
| Odor  | : No information available |
| Odor threshold                                  | : No information available |
| pH  | : No information available |
| Melting point                                   | : No data available        |
| Freezing point                                  | : No data available        |
| Boiling point                                   | : No information available |
| Flash point                                     | : No information available |
| Relative evaporation rate (butyl acetate=1)     | : No information available |
| Flammability                                    | : No data available        |
| Vapor pressure                                  | : No information available |
| Relative vapor density at 20°C                  | : No information available |
| Relative density                                | : No information available |
| Solubility                                      | : No information available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available        |
| Auto-ignition temperature                       | : No information available |
| Decomposition temperature                       | : No information available |
| Viscosity, kinematic                            | : No information available |
| Viscosity, dynamic                              | : No information available |
| Explosion limits                                | : No information available |
| Explosive properties                            | : No information available |
| Oxidizing properties                            | : No information available |

### 9.2. Other information

No available information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None known, based on information available

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### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Incompatible products. Excess heat

### 10.5. Incompatible materials

Strong acids

### 10.6. Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

| Component                         | LD50 Oral            | LD50 Dermal                             | LC50 Inhalation                  |
|-----------------------------------|----------------------|---|----------------------------------|
| Tris (hydroxymethyl) aminomethane | 5900 mg/kg ( Rat )   | Not listed                              | Not listed                       |
| Sodium azide                      | 27 mg/kg ( Rat )     | 50 mg/kg ( Rat )<br>20 mg/kg ( Rabbit ) | Not listed                       |
| Polyvinyl alcohol                 | > 5000 mg/kg ( Rat ) | Not listed                              | >20 mg/m <sup>3</sup> /h ( Rat ) |

|                                   |   |
|-----------------------------------|---|
| Acute toxicity (oral)             | : Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg. |
| Acute toxicity (dermal)           | : Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg. |
| Acute toxicity (inhalation)       | : Based on ATE data, the classification criteria are not met. ATE > 20 mg/l.    |
| Skin corrosion/irritation         | : No information available  |
| Serious eye damage/irritation     | : No information available  |
| Respiratory or skin sensitization | : No information available  |
| Germ cell mutagenicity            | : No information available  |
| Carcinogenicity                   | : Not listed  |
| Reproductive toxicity             | : No information available  |
| STOT-single exposure              | : None known  |
| STOT-repeated exposure            | : Kidney, Liver   |
| Aspiration hazard                 | : No information available  |
| Viscosity, kinematic              | : No information available  |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |   |                   |
|-------------------|---|-------------------|
| Ecology - general | : Do not empty into drains.                               |                   |
| <b>Component</b>  | <b>Freshwater Fish</b>                                    | <b>Water Flea</b> |
| Sodium azide      | 5.46 mg/L LC50 96 h 0.7 mg/L LC50 96 h 0.8 mg/L LC50 96 h | Not listed        |
| Polyvinyl alcohol | Lepomis macrochirus:<br>LC50=10mg/L 96h                   | EC50=8.3 mg/L 48h |

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### 12.2. Persistence and degradability

No information available

### 12.3. Bioaccumulative potential

No information available

### 12.4. Mobility in soil

No information available

### 12.5. Other adverse effects

No information available

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## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

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## SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

### 14.1. UN number

Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : Not regulated

#### IMDG

Transport hazard class(es) (IMDG) : Not regulated

#### IATA

Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group

Packing group (DOT) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated

### 14.5. Environmental hazards

Other information : Not regulated

### 14.6. Special precautions for user

#### DOT

Not regulated

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### IMDG

Not regulated

### IATA

Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

|  |                   |                 |                                    |
|--|-------------------|-----------------|------------------------------------|
| <b>TSCA 12(b)</b> - Not applicable   |                   |                 |                                    |
| <b>SARA 313</b>  |                   |                 |                                    |
| <b>Component</b>   | <b>CAS Number</b> | <b>Weight %</b> | <b>SARA313 – Threshold Value %</b> |
| Sodium Azide   | 26628-22-8        | <0.1            | 1.0                                |
| <b>SARA 311/312 Hazardous Categorization</b>   |                   |                 |                                    |
| <b>Acute Health Hazard</b> Yes   |                   |                 |                                    |
| <b>Chronic Health Hazard</b> Yes   |                   |                 |                                    |
| <b>Fire Hazard</b> No  |                   |                 |                                    |
| <b>Sudden Release of Pressure Hazard</b> No  |                   |                 |                                    |
| <b>Reactive Hazard</b> No  |                   |                 |                                    |
| <b>Clean Water Act</b> Not applicable  |                   |                 |                                    |
| <b>Clean Air Act</b> Not applicable  |                   |                 |                                    |
| <b>OSHA</b> Occupational Safety and Health Administration -Not applicable  |                   |                 |                                    |
| <b>CERCLA</b> - This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) |                   |                 |                                    |

### 15.2. International regulations

**All of the components in the product are on the following inventory lists:** Australia X = listed China Canada The product is classified and labeled according to EC directives or corresponding national laws The product is classified and labeled in accordance with Directive 1999/45/EC TSCA Korea Philippines

| Component                         | TSCA | DSL | NDSL | EINECS    | ELINCS | NLP | PICCS | ENCS | AICS | IECSC | KECL |
|-----------------------------------|------|-----|------|-----------|--------|-----|-------|------|------|-------|------|
| Tris (hydroxymethyl) aminomethane | X    | X   | -    | 201-064-4 | -      |     | X     | X    | X    | X     | X    |
| Sodium azide                      | X    | X   | -    | 247-852-1 | -      |     | X     | X    | X    | X     | X    |
| Polyvinyl alcohol                 | X    | X   | -    | -         | -      |     | X     | X    | X    | X     | X    |
| Water                             | X    | X   | -    | 231-791-2 | -      |     | X     | -    | X    | X     | X    |

### 15.3. US State regulations

**California Proposition 65** - This product does not contain any Proposition 65 chemicals

| Component    | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|--------------|---------------|------------|--------------|----------|--------------|
| Sodium azide | X             | X          | X            | -        | X            |
| Water        | -             | -          | X            | -        | -            |

## SECTION 16: Other information

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