



# SAFETY DATA SHEET

Original Preparation Date: 2018-09-21

SDS#: GS-30352 Rev. A  
Revision Date: 2018-11-29

## 1. Identification

<b>Product code</b>	<b>Product identifier</b>
See appendix 1 (starting on page 9)	Genemed ancillary reagents

**Other means of identification** N/A

**Recommended use** For use with manual IHC staining

**Recommended restrictions**

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer/Supplier** Sakura Finetek USA, Inc.

**Address** 1750 W 214<sup>th</sup> St.  
Torrance, CA 90501  
United States

**Telephone** 1 (310) 972-7800

**Emergency phone number** Chemtrec, 1 (800) 424-9300

**Email** [SDSsupport@SakuraUS.com](mailto:SDSsupport@SakuraUS.com)

## 2. Hazard(s) identification

**Physical hazards** Not a hazardous substance or mixture.

**Health hazards** Not a hazardous substance or mixture.

**Environmental hazards** Not a hazardous substance or mixture.

**OSHA defined hazards** Not a hazardous substance or mixture.

**Label elements**

**Hazard symbol** N/A

**Signal word** N/A

**Hazard statement** N/A

**Precautionary statement**

**Prevention** N/A

**Response** N/A

**Storage** N/A

**Disposal** N/A

**Hazard(s) not otherwise classified (HNOC)** None known

### 3. Composition/information on ingredients

Mixtures: mixture

Chemical name	CAS number	%
Sodium azide	26628-22-8	< 0.1%

### 4. First-aid measures

Inhalation	Move person to fresh air.
Skin contact	Wash off with plenty of water.
Eye contact	Immediately flush eyes with copious amounts of water for several minutes. If eye irritation persists consult a physician.
Ingestion	If swallowed seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
Most important symptoms/effects, acute and delayed	No data available.
Indication of immediate medical attention and special treatment needed	No data available.
General information	No data available.

### 5. Fire-fighting measures

Suitable extinguishing media	Water spray, carbon dioxide, dry chemical powder or alcohol resistant foam.
Unsuitable extinguishing media	No data available.
Specific hazards arising from the chemical	No data available.
Special protective equipment and precautions for firefighters	No data available.
Fire-fighting equipment/instructions	Wear self-contained breathing apparatus and protective fire-fighting clothing.
Specific methods	No data available.
General fire hazards	No data available.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear personal protective equipment. Avoid contact with eyes, skin and breathing in mist.
Methods and materials for containment and cleaning up	Absorb material and collect in suitable container.
Environmental precautions	No special environmental precautions.

### 7. Handling and storage

Precautions for safe handling	Wear personal protective equipment. Avoid contact with eyes, skin and breathing in mist.
Conditions for safe storage including any incompatibilities	Store at 2-8°C in original box. Avoid storing in conditions where the capsules can be punctured.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH threshold limit values

Components	Type	Value	Form
None	N/A	N/A	N/A

#### US. OSHA Table Z-1 Limits for air contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
None	N/A	N/A	N/A

#### US. NIOSH: Pocket guide to chemical hazards

Components	Type	Value	Form
None	N/A	N/A	N/A

**Biological limit values** No data available.

#### ACGIH Biological exposure indices

Components	Value	Determinant
None	N/A	N/A

**Exposure guidelines** No data available.

**Appropriate engineering controls** Handle in accordance with good industrial hygiene and safety practice.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Chemical safety goggles/glasses.

#### **Skin protection**

##### **Hand protection**

Chemical resistant, impervious gloves should be worn at all times when handling this product.

##### **Other**

Appropriate personal protective equipment for the body, foot and any additional skin protection measures should be selected based on the tasks being performed and risks involved.

##### **Respiratory protection**

No respiratory protection should be needed under intended handling conditions,

##### **Thermal hazards**

N/A

#### **General hygiene considerations**

Wash hands before and after use of product.

## 9. Physical and chemical properties

### Appearance

#### **Physical state**

##### **Form**

Liquid

##### **Color**

Green

#### **Odor**

No data available.

#### **Odor threshold**

No data available.

#### **pH**

7.0 – 8.0

#### **Melting point/freezing point**

No data available.

#### **Initial boiling point and boiling range**

No data available.

#### **Flash point**

No data available.

#### **Evaporation rate**

No data available.

#### **Flammability (solid, gas)**

No data available.

#### **Upper/lower flammability or explosive limits**

<b>Flammability limit – lower (%)</b>	No data available.
<b>Flammability limit – upper (%)</b>	No data available.
<b>Explosive limit - lower (%)</b>	No data available.
<b>Explosive limit - upper (%)</b>	No data available.
<b>Vapor pressure</b>	No data available.
<b>Vapor density</b>	No data available.
<b>Relative density</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	No data available.
<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Auto-ignition temperature</b>	No data available.
<b>Decomposition temperature</b>	No data available.
<b>Viscosity</b>	No data available.
<b>Other information</b>	
<b>Density</b>	No data available.
<b>Explosive properties</b>	No data available.
<b>Oxidizing properties</b>	No data available.
<b>VOC (weight%)</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity</b>	No data available.
<b>Chemical stability</b>	Stable under recommended use conditions.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to avoid</b>	No data available.
<b>Incompatible materials</b>	No data available.
<b>Hazardous decomposition products</b>	No data available.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Unlikely under recommended use conditions.
<b>Skin contact</b>	Unlikely under recommended use conditions.
<b>Eye contact</b>	Unlikely under recommended use conditions.
<b>Ingestion</b>	Unlikely under recommended use conditions.

### Symptoms related to the physical, chemical and toxicological characteristics

#### Information on toxicological effects

<b>Acute toxicity</b>	No data available.
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<b>Components</b>	<b>Species</b>	<b>Test Results</b>
N/A	N/A	N/A
<b>Skin corrosion/irritation</b>	No data available.	
<b>Serious eye damage/eye irritation</b>	No data available.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	No data available.	
<b>Skin sensitization</b>	No data available.	

<b>Germ cell mutagenicity</b>	No data available.	
<b>Carcinogenicity</b>	No data available.	
<b>IARC Monographs. Overall evaluation of carcinogenicity</b>		No data available.
<b>NTP Report on carcinogens</b>		No data available.
<b>OSHA Specifically regulated substances (29 CFR 1910.1001-1050)</b>		No data available.
<b>Reproductive toxicity</b>	No data available.	
<b>Specific target organ toxicity - single exposure</b>	No data available.	
<b>Specific target organ toxicity - repeated exposure</b>	No data available.	
<b>Aspiration hazard</b>	No data available.	
<b>Chronic effects</b>	No data available.	

## 12. Ecological information

<b>Ecotoxicity</b>		
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
N/A	N/A	N/A
<b>Persistence and degradability</b>	No data available.	
<b>Bio-accumulative potential</b>	No data available.	
<b>Mobility in soil</b>	No data available.	
<b>Other adverse effects</b>	No data available.	

## 13. Disposal considerations

<b>Disposal instructions</b>	Dispose in accordance with applicable local, regional, national and international laws and regulations.
<b>Local disposal regulations</b>	Dispose in accordance with applicable local, regional, national and international laws and regulations.
<b>Hazardous waste code</b>	N/A
<b>Waste from residues / unused products</b>	Dispose in accordance with applicable local, regional, national and international laws and regulations.
<b>Contaminated packaging</b>	Dispose in accordance with applicable local, regional, national and international laws and regulations.

## 14. Transport information

<b>DOT</b>	Not regulated as a dangerous good
<b>UN number</b>	N/A
<b>UN proper shipping name</b>	N/A
<b>Transport hazard class(es)</b>	N/A
<b>Class</b>	N/A
<b>Subsidiary risk</b>	N/A
<b>Label(s)</b>	N/A
<b>IATA</b>	N/A
<b>UN Number</b>	N/A
<b>UN proper shipping name</b>	N/A
<b>Transport hazard class(es)</b>	N/A
<b>Class</b>	N/A
<b>Subsidiary risk</b>	N/A

Packing group	N/A
Environmental hazards	N/A
ERG Code	N/A
Special precautions for user	N/A
IMDG	N/A
UN number	N/A
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Class	N/A
Subsidiary risk	N/A
Packing group	N/A
Environmental hazards	N/A
Marine pollutant	N/A
EmS	N/A
Special precautions for user	N/A
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	N/A
General information	None

## 15. Regulatory information

### US federal regulations

TSCA Section 12(b) Export notification (40 CFR 707, Subpart D)	Not listed
OSHA Specifically regulated substances (29 CFR 1910.1001-1050)	Not listed
CERCLA Hazardous substance list (40 CFR 302.4)	Not listed

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate hazard	N/A
Delayed hazard	N/A
Fire hazard	N/A
Pressure hazard	N/A
Reactivity hazard	N/A

SARA 302 Extremely hazardous substance	Not subject to reporting requirements.
SARA 311/312 Hazardous chemical	Not subject to requirements.
SARA 313 (TRI reporting)	Not subject to threshold reporting requirements.

Chemical name	CAS number	% by wt.
N/A	N/A	N/A

### Other federal regulations

Clean Air Act (CAA) section 112 Hazardous Air Pollutants (HAPs) list	This product does not contain any chemical listed under the U.S. Clean Air Act, section 111 SOCM I Intermediate or Final OVD's (40 CFR 60.489).
Clean Air Act (CAA) section 112(r) accidental release prevention (40 CFR 68.130)	This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act, section 112 (40 CFR 61).
Clean Water Act (CWA) section 112(r) (40 CFR 68.130)	This product does not contain any hazardous substances listed under the U.S. Clean Water Act, section 311, Table 116.4A. This product does not contain any hazardous chemicals listed

under the U.S. Clean Water Act, section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean water Act Section 307.

**Safe Drinking Water Act (SDWA)**

**US state regulations**

**US. Massachusetts RTK - Substance list** Sodium azide CAS 26628-22-8, < 0.1%

**US. New Jersey Worker and Community Right-to-Know Act** Sodium azide CAS 26628-22-8, < 0.1%

**US. Pennsylvania Worker and Community Right-to-Know Law** Sodium azide CAS 26628-22-8, < 0.1%

**US. Rhode Island RTK** Sodium azide CAS 26628-22-8, < 0.1%

**US. California Proposition 65** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

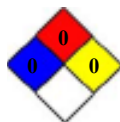
<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	yes
Canada	Domestic Substances List (DSL)	yes
Canada	Non-Domestic Substances List (NDSL)	no
China	Inventory of Existing Chemical Substances in China (IECSC)	yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	yes
Europe	European List of Notified Chemical Substances (ELINCS)	yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	yes
Korea	Existing Chemicals List (ECL)	yes
New Zealand	New Zealand Inventory	yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	yes

\*A "yes" indicates this product complies with the inventory requirements administered by the governing country(s).  
 A "no" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 2018-02-20  
**Revision date** 2018-11-29  
**Version #** A  
**Further information** HMIS is a registered trade and service mark of the American Coatings Association (ACA).  
**HMIS® ratings** Health: 0  
Flammability: 0  
Physical hazard: 0

### NFPA ratings



**Disclaimer** Sakura Finetek USA, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.



## Appendix 1

### List of Genemed ancillary reagents

<b>Product code</b>	<b>Product name and quantity</b>
10-0001	Genemed Primary Antibody Diluent, Ready-To-Use, 500 mL
10-0012	Genemed Biotin Goat anti-Mouse IgG + IgM (H+L), Concentrate, 1 mL
10-0013	Genemed Biotin Goat anti-Rabbit IgG (H+L), Concentrate, 1 mL
10-0020	Genemed Citrate Buffer pH 6 (20X), Concentrate, 100 mL
10-0022	Genemed Citrate Buffer pH 6 (1X), Ready-To-Use, 1000 mL
10-0024	Genemed Proteinase K, Ready-To-Use, 50 mL
10-0032	Genemed Blocking Solution (Non-immune), 100 mL
10-0039	Genemed A/B Block (Avidin/Biotin Blocking Solution), Ready-To-Use, 15mL
10-0040	Genemed C-Block (Casein Blocking Solution), Ready-To-Use, 100mL
10-0058	Genemed Antibody Diluent for Automated Stainer, Ready-To-Use, 500mL
10-0173	Genemed CISH Tissue Pretreatment Kit