



SAFETY DATA SHEET

Original Preparation Date: 2020-07-30

SDS#: GS-33431 Rev: A
Revision Date: 2020-08-07

1. Identification

Product codes	Product identifier
See appendix 1 (starting on page 9)	Genemed® ASR prediluted biomarker-binding reagents

Other means of identification N/A

Recommended use N/A

Recommended restrictions N/A

Manufacturer/Importer/Supplier/Distributor information

Manufacturer/Supplier	Sakura Finetek USA, Inc.
Address	1750 W 214 th St. Torrance, CA 90501 United States
Telephone	1 (310) 972-7800
Emergency phone number	Chemtrec, 1 (800) 424-9300
Email	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

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

10. Stability and reactivity

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

11. Toxicological information

Information on likely routes of exposure

Inhalation	Unlikely under recommended use conditions.
Skin contact	Unlikely under recommended use conditions.
Eye contact	Unlikely under recommended use conditions.
Ingestion	Unlikely under recommended use conditions.

Symptoms related to the physical, chemical and toxicological characteristics Information on toxicological effects

Acute toxicity	No data available.
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Components	Species	Test Results
N/A	N/A	N/A
Skin corrosion/irritation	No data available.	

Serious eye damage/eye irritation	No data available.	
Respiratory or skin sensitization		
Respiratory sensitization	No data available.	
Skin sensitization	No data available.	
Germ cell mutagenicity	No data available.	
Carcinogenicity	No data available.	
IARC Monographs. Overall evaluation of carcinogenicity		No data available.
NTP Report on carcinogens		No data available.
OSHA Specifically regulated substances (29 CFR 1910.1001-1050)		No data available.
Reproductive toxicity	No data available.	
Specific target organ toxicity - single exposure	No data available.	
Specific target organ toxicity - repeated exposure	No data available.	
Aspiration hazard	No data available.	
Chronic effects	No data available.	

12. Ecological information

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

13. Disposal considerations

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

14. Transport information

DOT	Not regulated as a dangerous good
UN number	N/A
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Class	N/A
Subsidiary risk	N/A
Label(s)	N/A
IATA	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
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).
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**Clean Air Act (CAA) section 112(r)
accidental release prevention
(40 CFR 68.130)
Clean Water Act (CWA) section 112(r)
(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).

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

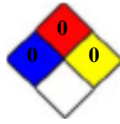
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	yes
Canada	Domestic Substances List (DSL)	yes
Canada	Non-Domestic Substances List (NDSL)	no
China	Inventory of Existing Chemical Substances in China (IECSC)	yes
Europe	European Inventory 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	2020-07-30
Revision date	2020-08-07
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 ASR prediluted biomarker-binding reagents

Abbr. Industrial known names for easy search

Product codes	Product identifiers	FDA Classification	Formats available	Abbr.
60-0200-15	Genemed® anti-Cytomegalovirus (CMV) Mouse Monoclonal Antibody Cocktail [DDG9/CCH2]	ASR	15 mL bottle	CMV
60-0207-15	Genemed® anti-Herpes Simplex Virus 1 Rabbit Polyclonal Antibody	ASR	15 mL bottle	HSV1
60-0208-15	Genemed® anti-Herpes Simplex Virus 2 Rabbit Polyclonal Antibody	ASR	15 mL bottle	HSV2
60-0209-15	Genemed® anti-p16 Mouse Monoclonal Antibody [MX007]	ASR	15 mL bottle	p16
60-0219-15	Genemed® anti-Progesterone Receptor Rabbit Monoclonal Antibody [Y85]	ASR	15 mL bottle	PR
60-0220-15	Genemed® anti-Estrogen Receptor α Rabbit Monoclonal Antibody [EP1]	ASR	15 mL bottle	ER α
60-0221-15	Genemed® anti-HER2 Rabbit Monoclonal Antibody [GR011]	ASR	15 mL bottle	HER2
60-0222-15	Genemed® anti-Procollagen-1 Rat Monoclonal Antibody [M-58]	ASR	15 mL bottle	PC1
60-0223-15	Genemed® anti-Treponema Pallidum Rabbit Polyclonal Antibody	ASR	15 mL bottle	TP
60-0224-15	Genemed® anti-ALK (Lung) Mouse Monoclonal Antibody [1A4]	ASR	15 mL bottle	ALK (Lung)