## 1. PRODUCT AND COMPANY IDENTIFICATION

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<tr>
<th>Product Description</th>
<th>Product Code</th>
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<tr>
<td>AccuPlex™ SARS-CoV-2 Reference Material Kit</td>
<td>0505-0126</td>
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<tr>
<td>AccuPlex™ SARS-CoV-2 Verification Panel</td>
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<td>AccuPlex™ SARS-CoV-2 Verification Panel, v2</td>
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<td>AccuPlex™ SARS-CoV-2 Reference Material Kit, v2/Molecular Controls Kit</td>
<td>0505-0133</td>
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<tr>
<td>AccuPlex™ SARS-CoV-2 Reference Material Kit/Molecular Controls Kit - Full Genome</td>
<td>0505-0159</td>
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<tr>
<td>AccuPlex™ SARS-CoV-2 Verification Panel - Full Genome</td>
<td>0505-0168</td>
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<tr>
<td>AccuPlex™ SARS-CoV-2, Flu A/B &amp; RSV Verification Panel</td>
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<td>AccuPlex™ SARS-CoV-2, Flu A/B &amp; RSV Reference Material Kit</td>
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<td>AccuPlex™ Flu A/B &amp; RSV Reference Material Kit</td>
<td>0515-0001</td>
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<td>AccuPlex™ Flu A/B &amp; RSV Verification Panel</td>
<td>0515-0002</td>
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<td>AccuPlex™ SARS-CoV-2 Full Genome w/ cRNA Positive Control 1500 cp/ml Kit</td>
<td>0505-0220</td>
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<td>AccuPlex™ SARS-CoV-2 Full Genome and RNase P w/ cRNA Control Kit</td>
<td>0505-0227</td>
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<td>AccuPlex™ Human RNase P Negative Control Kit</td>
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<td>AccuPlex™ SARS-CoV-2 Variant Panel 1</td>
<td>0505-0241</td>
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<td>AccuPlex™ SARS-CoV-2, Flu A/B and RSV Molecular Controls Kit</td>
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<td>AccuPlex™ SARS-CoV-2 Variant Panel 2</td>
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<tr>
<td>AccuPlex™ SARS-CoV-2, Flu A/B, and RSV Verification Panel v2</td>
<td>0505-0278</td>
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</tbody>
</table>

### Hazardous Reagent

**Hazardous Reagents**

None

**Hazardous Reagent Product code**

None

**Recommended Use:**

As Noted in Product Description

**Contact Manufacturer:**

LGC Clinical Diagnostics, Inc.
37 Birch Street
Milford, MA 01757

**Phone #:** (508) 244-6400

**US Toll Free:** (800) 676-1881

**Fax #:** (508) 634-3394

**Web:** [www.seracare.com](http://www.seracare.com)

**Email:** CDx-CustomerService@LGCGroup.com

**Emergency Telephone Numbers:**

**AUSTRALIA – POISONS INFORMATION CENTER**

Telephone: 13 11 26 - Hours: 24 hours

**CANADIAN TRANSPORT EMERGENCY CENTER**

Telephone: (1 ) 613 996 6666 - Hours: 24 hours/day, 7 days/week

**UK – THE NATIONAL FOCUS**

Telephone: (44) 029 2041 6388 - Hours: 09:00-17:00 GMT

**USA - NATIONAL RESPONSE CENTER**

Telephone: (1 ) 800 424 8802 - Hours: 24 hours/day, 7 days/week

**CHEMTREC:**

CHEMTREC Customer Number: CCN12505*

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300 CCN12505 or +1 703-527-3887 (collect calls accepted)
2. HAZARD IDENTIFICATION

Hazard Type

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS): The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment.

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Not Applicable:

The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment as per: GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

In accordance Regulation (EC) No 1272/2008, this product is not classified.

Hazard Statements: Not applicable
Precautionary Statements: Not applicable
Symbols and Indications of Danger: Not applicable

Principle Route of Exposure: Not Applicable

Acute Effects: Eye May aggravate pre-existing condition
Acute Effects: Skin: May aggravate pre-existing condition
Acute Effects: Inhalation: May aggravate pre-existing condition
Acute Effects: Ingestion: Not Available
Chronic Effects: Not Available
Additional Information: Not Available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Chemical</th>
<th>% Weight</th>
<th>CAS #</th>
<th>Classification</th>
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<td>Water</td>
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<td>7732-18-5</td>
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<td></td>
<td>Glycerin</td>
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<td>56-81-5</td>
<td>Not Classified</td>
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<tr>
<td></td>
<td>TRIS</td>
<td>&lt;1.0%</td>
<td>77-86-1</td>
<td>Skin Irr. 2, H315</td>
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<td>Eye Irr. 2A, H319</td>
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<td>Aquatic Acute 3, H402</td>
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<td></td>
<td>Aquatic Chronic 3, H412</td>
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<td></td>
<td>Ethylenediaminetetraacetic Acid (EDTA)</td>
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<td>Gentamicin Sulfate</td>
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<td>Sodium Azide</td>
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<td>Acute Tox. 2 (Oral), H300</td>
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<td>STOT RE 2, H373</td>
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<td>Aquatic Acute 1, H400</td>
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<td>Inactivated Virus</td>
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<td>SeraCon II</td>
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</table>

Full text of H-phrases: see section 16
4. FIRST AID MEASURES

General Advice: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).


Inhalation Exposure: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

Skin Exposure: Remove contaminated clothing. Rinse immediately with plenty of water for 5 minutes. Obtain medical attention if irritation develops or persists.

Eye Exposure: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if redness, pain, or irritation occurs.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unusual Fire and Explosive Hazards: None

Flash Point: Not Available

Auto ignition Temperature: Not Available

Flammability Statement: Product is not flammable

Specific hazards arising from the chemical: None; hazard reactions will not occur under normal conditions

Protective equipment and precautions for firefighters: Do not enter fire area without proper protective equipment, including respiratory protection

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid breathing vapors, mist or gas. Avoid prolonged contact with eyes, skin and clothing

Environmental Precautions: Prevent entry to sewers and public waters.

Method of Containment: Keep in suitable, closed containers for disposal.

Methods of Clean-up: Contain spills with dikes or absorbents to prevent migration and entry into sewers or streams

Other Information: Not Available

7. HANDLING AND STORAGE

Handling: Avoid prolonged contact with skin, eyes and clothing. Avoid breathing vapors, mist or spray.

Storage: Store at 2 – 8 °C. Store in a dry, cool and well-ventilated place. Keep container tightly closed when not in use. Keep / store away from direct sunlight, extremely high or low temperatures and incompatible materials.

8. EXPOSURE CONTROL

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear protective respiratory protection.

Eye Protection: Safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards.

Skin Protection: Wear protective gloves.
Body Protection: Wear suitable protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Control of Environmental Exposure: Do not allow product to be released into the environment.

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Do not eat, drink or smoke during use. Emergency eye wash stations and safety showers should be available in the immediate vicinity of any potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Slightly cloudy, colorless
Physical State: Liquid
Odor: Not Available
Odor Threshold: Not Available
pH: Not available
Boiling Point: Not Available
Evaporation Rate: Not Available
Vapor Density: Not Available
Vapor Pressure: Not Available
Relative Density: Not Available
Auto-Ignition Temperature: Not Available
Water Solubility: Dilutable
Flammability: Not Available
Flash Point: Not Available
Viscosity: Not Available
Oxidizing Properties: Not Available
Explosive Properties: Not Available
Additional Parameters: See Datasheet/Product Insert for other Product Information.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage conditions.
Conditions to avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.
Incompatibility Materials to Avoid: Strong oxidizing agents, acids and bases.
Hazardous Decomposition Products: Carbon oxides, nitrogen oxides. No decomposition if stored and applied as directed.
Hazardous Polymerization: Will not occur
Possibility of hazardous reactions: Hazardous polymerization will not occur.
11. TOXICOLOGY MEASURES

**Acute Toxicity**

The toxicological risks are not classified due to the low concentration of hazardous ingredients. The following toxicological information is for the hazardous ingredient in pure form.

**Glycerin (56-81-5)**

- LD50 Oral Rat: 23000 mg/kg
- LD50 Dermal Rabbit: >10 g/kg
- LC50 Inhalation: >570 mg/m³

**Gentamicin, sulfate salt**

(1405-41-0)

- LD50 Oral Rat: >5 g/kg

**TRIS (77-86-1)**

- LD50 Oral Rat: >5000 mg/kg
- LD50 Dermal Rabbit: >5000 g/kg

**Sodium Azide (26628-22-8)**

- LD50 Oral Rat (26628-22-8): 27 mg/kg

**Ethylenediaminetetraacetic acid (60-00-4)**

- LD50 Oral Rat: >2000 mg/kg

**Chronic Toxicity**

- Carcinogenicity: Not classified
- Irritation: Not classified
- Corrosivity: Not classified
- Sensitization: Not classified
- Neurological Effects: Not classified
- Mutagenic Effects: Not classified
- Reproductive Effects: Not classified
- Developmental Effects: Not classified
- Target Organ Effects: Not classified
- Other adverse effects: Not classified
12. ECOLOGICAL MEASURES

Ecology - general
Not classified

Glycerin (56-81-5)
LC50 Fish1 54000 (51000-57000)mg/l (Exposure time: 96h – Species: Oncorhynchus mykiss (static))

Sodium azide (26628-22-8)
LC50 Fish 1: 0.8 mg/L (Exposure time: 96h – Species: Oncorhynchus mykiss)
LC50 Fish 2: 0.7 mg/L (Exposure time: 96h – Species: Lepomis macrochirus)
ErC50 (algae) 0.348 mg/l

Ethylenediaminetetraacetic acid (60-00-4)
LC50 fish 1 34 – 62 mg/l (Exposure time: 96h – Species: Lepomis macrochirus)
EC50 Daphnia 1 113 mg/l (Exposure time: 48h – Species Daphnia magna (static))
LC50 fish 2 44.2 – 76.5 mg/l (Exposure time: 96h – Species: Pimephales promelas (static))
NOEC chronic fish >/= 25.7 mg/l (Duration: 35d – Species: Brachydanio rerio (Flow-through))
NOEC chronic crustacea 25 mg/l (Duration: 21d – Species: Daphnia magna (Semi-static))

Persistence/Degradability: Not established
Mobility in Environmental Media: Not Available

Bioaccumulation/ Accumulation:
Glycerin (56-81-5)
BCF fish 1 No accumulation
Log Pow -1.76

13. DISPOSAL MEASURES

Waste Disposal Method: Decontamination of excess material using a 10% solution of bleach is recommended. Dispose and treat as biohazardous waste. Dispose of waste material in accordance with all local, regional, national, and international regulations.

Contaminated Packaging: Dispose and treat as biohazardous waste. Dispose of waste material in accordance with all local, regional, national, and international regulations.

US EPA Waste Number: Not Available
14. TRANSPORTATION MEASURES

DOT: Not classified as dangerous goods
IATA: Not classified as dangerous goods
ADR (road)/ RID (rail): Not Available
IMDG (sea): Not classified as dangerous goods
General Transport Regulations: Not Available

15. REGULATORY MEASURES

US Federal Regulations

Glycerin (56-81-5)
Listed on the US TSCA inventory
EPA TSCA Regulatory Flag Y2 – Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

TRIS (77-86-1)
Listed on the US TSCA inventory

Ethylenediaminetetraacetic acid (60-00-4)
Listed on the US TSCA inventory

Sodium azide (26628-22-8)
Listed on the US TSCA inventory
Listed on US SARA 302
Subject to report requirements of US SARA 313

SARA Section 302 Threshold Planning Quantity
500 (this material is reactive solid. (The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)

SARA 313 Emission Reporting 1%

State Regulations

Sodium azide (26628-22-8)
US – Massachusetts – Right To Know list
US – New Jersey - Right To Know Hazardous Substance List
US Pennsylvania - Right To Know Environmental Hazard List

California Proposition 65:
This product contains the following Proposition 65 chemicals
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

State Right to Know Act

Chemical Name: Glycerin Sodium azide Ethylenediaminetetraacetic acid
Massachusetts: Listed Listed Listed
New Jersey: RTK Haz. Substance List  RTK Haz. Substance List  RTK Haz. Substance List
Pennsylvania: Not Listed  RTK Enviro. List  RTK Environ. List
Pennsylvania: Not Listed  Right To Know list  Right To Know list
New York: Not Listed  Not Listed  Not listed
Rhode Island: Not Listed  Not Listed  Not listed

International Inventories

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<thead>
<tr>
<th>Chemical Name</th>
<th>Glycerin</th>
<th>Sodium azide</th>
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EU Regulations

Annex XVII Reach Regulations (EC) no. 1907/2006 1999/45/EC
Tris (77-86-1) 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories
Set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

Contains no substances on the REACH SVHC substance candidate list
Contains no REACH Annex XIV substances
16. OTHER INFORMATION

**GHS full text phrases**

**Full text of H- and EU H-statements:**

- **Acute Tox. 2 (Oral)**: Acute toxicity (oral), Category 2
- **Aquatic Acute 1**: Hazardous to the aquatic environment — Acute Hazard, Category 1
- **Aquatic Chronic 1**: Hazardous to the aquatic environment — Chronic Hazard, Category 1
- **Aquatic Chronic 3**: Hazardous to the aquatic environment — Chronic Hazard, Category 3
- **Eye Irrit. 2**: Serious eye damage/eye irritation, Category 2
- **Resp. Sens. 1**: Sensitization — Respiratory, Category 1
- **Skin Irrit. 2**: Skin corrosion/irritation, Category 2
- **Skin Sens. 1**: Sensitization — Skin, Category 1
- **STOT SE 3**: Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

- **H300**: Fatal if swallowed
- **H315**: Causes skin irritation
- **H317**: May cause an allergic skin reaction
- **H319**: Causes serious eye irritation
- **H334**: May cause allergy or asthma symptoms or breathing difficulties if inhaled
- **H335**: May cause respiratory irritation
- **H400**: Very toxic to aquatic life
- **H410**: Very toxic to aquatic life with long lasting effects
- **H412**: Harmful to aquatic life with long lasting effects
- **EUH032**: Contact with acids liberates very toxic gas
- **EUH210**: Safety data sheet available on request

The above information is believed to be accurate, complete and current but does not purport to be all inclusive and shall be used as a guide. LGC Clinical Diagnostics makes no representation or warranties with respect to the product described herein, including but not limited to any implied warranties or merchantability or fitness for a particular use. LGC Clinical Diagnostics assumes no liability or responsibility and authorizes no other person to assume any additional liability or responsibility as a result of the use of this product or the information contained in the Safety Data Sheet.

**Date of preparation / last revision:** Aug 31, 2021 / 10