



# Safety Data Sheet

AccuPlex™ Respiratory Virus Materials

SDS-ACRN-16

Rev. Number: 11

Rev. Date: Sep 14, 2021

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
AccuPlex™ SARS-CoV-2 Reference Material Kit	0505-0126
AccuPlex™ SARS-CoV-2 Verification Panel	0505-0129
AccuPlex™ SARS-CoV-2 Verification Panel, v2	0505-0132
AccuPlex™ SARS-CoV-2 Reference Material Kit, v2/Molecular Controls Kit	0505-0133
AccuPlex™ SARS-CoV-2 Reference Material Kit/Molecular Controls Kit - Full Genome	0505-0159
AccuPlex™ SARS-CoV-2 Verification Panel - Full Genome	0505-0168
AccuPlex™ SARS-CoV-2, Flu A/B & RSV Verification Panel	0505-0183
AccuPlex™ SARS-CoV-2, Flu A/B & RSV Reference Material Kit	0505-0174
AccuPlex™ Flu A/B & RSV Reference Material Kit	0515-0001
AccuPlex™ Flu A/B & RSV Verification Panel	0515-0002
AccuPlex™ SARS-CoV-2 Full Genome w/ cRNA Positive Control 1500 cp/ml Kit	0505-0220
AccuPlex™ SARS-CoV-2 Full Genome and RNase P w/ cRNA Control Kit	0505-0227
AccuPlex™ Human RNase P Negative Control Kit	0505-0242
AccuPlex™ SARS-CoV-2 Variant Panel 1	0505-0241
AccuPlex™ SARS-CoV-2, Flu A/B and RSV Molecular Controls Kit	0505-0260
AccuPlex™ SARS-CoV-2 Variant Panel 2	0505-0276
AccuPlex™ SARS-CoV-2, Flu A/B, and RSV Verification Panel v2	0505-0278

**Hazardous Reagent**

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

**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)

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## 2. HAZARD IDENTIFICATION

<b>Hazard Type</b>	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.
	<b>GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)</b>
<b>GHS Classification</b>	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.
<b>Hazard Statements:</b>	Not applicable
<b>Precautionary Statements:</b>	Not applicable
<b>Symbols and Indications of Danger:</b>	Not applicable
<b>Principle Route of Exposure:</b>	Not Applicable
<b>Acute Effects: Eye</b>	May aggravate pre-existing condition
<b>Acute Effects: Skin:</b>	May aggravate pre-existing condition
<b>Acute Effects: Inhalation:</b>	May aggravate pre-existing condition
<b>Acute Effects: Ingestion:</b>	Not Available
<b>Chronic Effects:</b>	Not Available
<b>Additional Information:</b>	Not Available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>Chemical</u>	<u>% Weight</u>	<u>CAS#:</u>	<u>Classification according to EC No. 1272/2008 and GHS</u>
N/A	Water	82.9%	7732-18-5	Not Classified
	Glycerin	15.0%	56-81-5	Not Classified
	TRIS	<1.0%	77-86-1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE3, H335
	Ethylenediaminetetraacetic Acid (EDTA)	<1.0%	60-00-4	Eye Irrit. 2A, H319 Aquatic Acute 3, H402 Aquatic Chronic, 3, H412
	Gentamicin Sulfate	0.05%	1405-41-0	Resp. Sens. 1, H334 Skin Sens. 1, H317
	Sodium Azide	0.05%	26628-22-8	Acute Tox. 2 (Oral), H300 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
	Inactivated Virus	< 0.01%	Not Applicable	N/A
	SeraCon II	2%	Not Applicable	N/A

Full text of H-phrases: see section 16

#### 4. FIRST AID MEASURES

<b>General Advice:</b>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
<b>Oral Exposure:</b>	Do not induce vomiting. Rinse mouth. Obtain medical attention.
<b>Inhalation Exposure:</b>	Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists
<b>Skin Exposure:</b>	Remove contaminated clothing. Rinse immediately with plenty of water for 5 minutes. Obtain medical attention if irritation develops or persists.
<b>Eye Exposure:</b>	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

<b>Extinguishing media:</b>	Use extinguishing media appropriate for surrounding fire.
<b>Unusual Fire and Explosive Hazards:</b>	None
<b>Flash Point:</b>	Not Available
<b>Auto ignition Temperature:</b>	Not Available
<b>Flammability Statement:</b>	Product is not flammable
<b>Specific hazards arising from the chemical:</b>	None; hazard reactions will not occur under normal conditions
<b>Protective equipment and precautions for firefighters:</b>	Do not enter fire area without proper protective equipment, including respiratory protection

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid breathing vapors, mist or gas. Avoid prolonged contact with eyes, skin and clothing
<b>Environmental Precautions:</b>	Prevent entry to sewers and public waters.
<b>Method of Containment:</b>	Keep in suitable, closed containers for disposal.
<b>Methods of Clean-up:</b>	Contain spills with dikes or absorbents to prevent migration and entry into sewers or streams
<b>Other Information:</b>	Not Available

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid prolonged contact with skin, eyes and clothing. Avoid breathing vapors, mist or spray.
<b>Storage:</b>	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

<b>Respiratory Protection:</b>	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.
<b>Eye Protection:</b>	Safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards.
<b>Skin Protection:</b>	Wear protective gloves.

SDS-ACRN-16

Rev. Number: 11

Rev. Date: Sep 14, 2021

<b>Body Protection</b>	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.
<b>Control of Environmental Exposure:</b>	Do not allow product to be released into the environment.
<b>Appropriate engineering controls:</b>	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

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

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Direct sunlight, extremely high or low temperatures, and incompatible materials.
<b>Incompatibility Materials to Avoid:</b>	Strong oxidizing agents, acids and bases.
<b>Hazardous Decomposition Products:</b>	Carbon oxides, nitrogen oxides. No decomposition if stored and applied as directed.
<b>Hazardous Polymerization:</b>	Will not occur
<b>Possibility of hazardous reactions:</b>	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/m <sup>3</sup>

#### Gentamicin, sulfate salt (1405-41-0)

LD50 Oral Rat:	>5 g/kg
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#### 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
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#### Ethylenediaminetetraacetic acid (60-00-4)

LD50 Oral Rat:	>2000 mg/kg
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### Chronic Toxicity

<b>Carcinogenicity:</b>	Not classified
<b>Irritation:</b>	Not classified
<b>Corrosivity:</b>	Not classified
<b>Sensitization:</b>	Not classified
<b>Neurological Effects:</b>	Not classified
<b>Mutagenic Effects:</b>	Not classified
<b>Reproductive Effects:</b>	Not classified
<b>Developmental Effects:</b>	Not classified
<b>Target Organ Effects:</b>	Not classified
<b>Other adverse effects:</b>	Not classified

## 12. ECOLOGICAL MEASURES

<b>Ecology - general</b>	Not classified
<b>Glycerin (56-81-5)</b>	
LC50 Fish1	54000 (51000-57000)mg/l (Exposure time: 96h – Species: Oncorhynchus mykiss (static))
<b>Sodium azide (26628-22-8)</b>	
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
<b><u>Ethylenediaminetetraacetic acid (60-00-4)</u></b>	
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))
<b>Persistence/Degradability:</b>	Not established
<b>Mobility in Environmental Media:</b>	Not Available
<b>Bioaccumulation/ Accumulation:</b>	
<b>Glycerin (56-81-5)</b>	
BCF fish 1	No accumulation
Log Pow	-1.76

## 13. DISPOSAL MEASURES

<b>Waste Disposal Method:</b>	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.
<b>Contaminated Packaging:</b>	Dispose and treat as biohazardous waste. Dispose of waste material in accordance with all local, regional, national, and international regulations.
<b>US EPA Waste Number:</b>	Not Available

SDS-ACRN-16

Rev. Number: 11

Rev. Date: Sep 14, 2021

## 14. TRANSPORTATION MEASURES

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

SDS-ACRN-16

Rev. Number: 11

Rev. Date: Sep 14, 2021

<b>New Jersey:</b>	RTK Haz. Substance List	RTK Haz. Substance List	RTK Haz. Substance List
<b>Pennsylvania:</b>	Not Listed	RTK Enviro. List	RTK Environ. List
<b>Pennsylvania:</b>	Not Listed	Right To Know list	Right To Know list
<b>New York:</b>	Not Listed	Not Listed	Not listed
<b>Rhode Island:</b>	Not Listed	Not Listed	Not listed

**International Inventories**

<b>Chemical Name</b>	<b><u>Glycerin</u></b>	<b><u>Sodium azide</u></b>	<b><u>Ethylenediaminetetraacetic acid</u></b>
<b>TSCA:</b>	Listed	Listed	Listed
<b>DSL:</b>	Listed	Listed	Listed
<b>NDSL:</b>	Not Listed	Not Available	Not Listed
<b>EINECS:</b>	Listed	Listed	Listed
<b>CHINA:</b>	Listed	Listed	Listed
<b>KECL:</b>	Listed	Listed	Listed
<b>JAPAN:</b>	Listed	Listed	Listed
<b>AICS:</b>	Listed	Listed	Listed

**EU Regulations**

**Annex XVII Reach  
Regulations (EC) no.  
1907/2006**

**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.

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