



Safety Data Sheet

SDS-ACRN-17

AccuPlex™ COVID-19 HighTiter Stock
 Rev. Number: 1 Rev. Date: Mar 20, 2020

1. PRODUCT AND COMPANY IDENTIFICATION

| Product Description: | Product Code |
|------------------------------------|--------------|
| AccuPlex™ COVID-19 HighTiter Stock | 0505-0121 |

Hazardous Reagent
None

Hazardous Reagent Product code
None

Recommended Use: Reference Reagent

Contact Manufacturer: SeraCare Life Sciences
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: customerservice@seracare.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)

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| | |
|---|---|
| GHS Classification | 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

| <u>Component</u> | <u>Chemical</u> | <u>% Weight</u> | <u>CAS#:</u> | <u>Classification according to EC No. 1272/2008 and GHS- US</u> |
|------------------|--|-----------------|----------------|--|
| High Titer Stock | Water | 82.89% | 7732-18-5 | Not Classified |
| | Glycerin | 15% | 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 | Reps. 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 |

Full text of H-phrases: see section 16

4. FIRST AID MEASURES

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| General Advice: | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). |
| Oral Exposure: | Do not induce vomiting. Rinse mouth. Obtain medical attention. |
| 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

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| 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

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| 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

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| Handling: | Avoid prolonged contact with skin, eyes and clothing. Avoid breathing vapors, mist or spray. |
| Storage: | Store at -70 °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

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

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| 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. |

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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 | 540000 (51000-57000)mg/l (Exposure time: 96h – Species: Oncorhynchus mykiss (static)) |
| Sodium azide (2668-22-8) | |
| 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 |
| <u>Ethylenediaminetetraacetic acid (60-00-4)</u> | |
| 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

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| 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.

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State Right to Know Act

| Chemical Name: | <u>Glycerin</u> | <u>Sodium azide</u> | <u>Ethylenediaminetetraacetic acid</u> |
|-----------------------|-------------------------|----------------------------|---|
| 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

| Chemical Name | <u>Glycerin</u> | <u>Sodium azide</u> | <u>Ethylenediaminetetraacetic acid</u> |
|----------------------|------------------------|----------------------------|---|
| TSCA: | Listed | Listed | Listed |
| DSL: | Listed | Listed | Listed |
| NDSL: | Not Listed | Not Available | Not Listed |
| EINECS: | Listed | Listed | Listed |
| CHINA: | Listed | Listed | Listed |
| KECL: | Listed | Listed | Listed |
| JAPAN: | Listed | Listed | Listed |
| AICS: | 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. SeraCare Life Sciences 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. SeraCare 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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