



The Power to Question

SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc.

Revision date 14-Jul-2021

Version 1.4

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

| | |
|------------------------|--|
| Product Name | UltraCruz® Aqueous Mounting Medium with DAPI |
| Product Code | SC-24941 |
| Pure substance/mixture | mixture |

1.2. Relevant identified uses of the substance or mixture and uses advised against

For research use only. Not intended for diagnostic or therapeutic use.

1.3. Details of the supplier of the safety data sheet

Santa Cruz Biotechnology, Inc.
10410 Finnell Street
Dallas, TX 75220
831.457.3800
800.457.3801
scbt@scbt.com

Santa Cruz Biotechnology, Inc.
Bergheimer Str. 89-2
69115 Heidelberg, Germany
+49.6221.4503 0
+1.800.457.3801
europe@scbt.com

1.4. Emergency telephone number

Chemtrec
1.800.424.9300 (Within USA)
+1.703.527.3887 (Outside USA)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label Elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

| | |
|-------------|---------------|
| Signal word | Not Hazardous |
|-------------|---------------|

| | |
|--------------------|----------------|
| Symbols/Pictograms | Not classified |
|--------------------|----------------|

| | |
|-------------------|--|
| Hazard statements | |
|-------------------|--|

2.3. Other Hazards

| | |
|-----------------|----------------|
| General Hazards | Not applicable |
|-----------------|----------------|

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Molecular Weight No information available
Formula No information available

3.2 mixtures

| Chemical name | EC No | CAS No. | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------|---------|------------|----------|---|
| Glycerol | Present | 56-81-5 | 99.99 | Eye Irrit. 2 (H320) |
| DAPI | Present | 28718-90-3 | 0.01 | Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) |

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.

Inhalation Immediate medical attention is required. Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Artificial respiration and/or oxygen may be necessary. Call a physician. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

Skin Contact Wash off immediately with plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Drink plenty of water. Clean mouth with water and drink afterwards plenty of water. Call a physician.

Self-protection of the first aider Remove all sources of ignition. Use personal protective equipment as required.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available

Hazardous combustion products No information available.

5.3. Advice for firefighters

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|--------------------------|---|
| Personal precautions | Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. |
| For emergency responders | Use personal protection recommended in Section 8. |

6.2. Environmental precautions

| | |
|---------------------------|---|
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information. |
|---------------------------|---|

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| Methods for containment | Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal. |
| Methods for cleaning up | Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. |

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

| | |
|--------------------------------|---|
| Advice on safe handling | Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. |
| General Hygiene Considerations | When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--------------------|--|
| Storage Conditions | Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. |
|--------------------|--|

7.3. Specific end use(s)

| | |
|-------------------------------|---|
| Risk Management Methods (RMM) | The information required is contained in this Material Safety Data Sheet. |
|-------------------------------|---|

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical name | European Union | United Kingdom | France | Spain | Germany |
|-------------------------------|----------------|--|---------------------------|---------------------------|---|
| Glycerol 56-81-5 | | STEL: 30 mg/m ³ TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 200 mg/m ³ Ceiling / Peak: 400 mg/m ³ |
| Component | Italy | Portugal | Netherlands | Finland | Denmark |
| Glycerol 56-81-5 (99.99) | | TWA: 10 mg/m ³ | | TWA: 20 mg/m ³ | |
| Chemical name | Austria | Switzerland | Poland | Norway | Ireland |
| Glycerol 56-81-5 | | STEL: 100 mg/m ³ TWA: 50 mg/m ³ | TWA: 10 mg/m ³ | | |

| | |
|--|---------------------------|
| Derived No Effect Level (DNEL) | No information available |
| Predicted No Effect Concentration (PNEC) | No information available. |

8.2. Exposure controls

| | |
|----------------------|---------|
| Engineering Controls | Showers |
|----------------------|---------|

| | |
|---------------------------------|---|
| Eye/face protection | Eyewash stations Ventilation systems |
| Skin and Body Protection | Tight sealing safety goggles. Face protection shield. Gloves made of plastic or rubber. Antistatic footwear. Wear fire/flamm resistant/retardant clothing. Suitable protective clothing. Apron. |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| Environmental exposure controls | No information available. |

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------|--------------------------|
| Physical State | liquid |
| Appearance | No information available |
| Odor | No information available |

| <u>Property</u> | <u>Values</u> |
|------------------------------|--------------------------|
| pH | No information available |
| Melting point/freezing point | No information available |
| Boiling point | No information available |
| Flash point | No information available |
| Liquid Density | No information available |
| Evaporation rate | No information available |
| Upper flammability limits | No information available |
| Lower flammability limit | No information available |
| Vapor pressure | No information available |
| Vapor density | No information available |
| Specific gravity | No information available |
| Water solubility | No information available |
| Solubility in other solvents | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Kinematic viscosity | No information available |
| Explosive properties | No information available |
| Oxidizing properties | No information available |

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

| | |
|------------|----------------|
| Reactivity | Not applicable |
|------------|----------------|

10.2. Chemical stability

| | |
|----------------------------------|--|
| Stability | Stable under recommended storage conditions. |
| Sensitivity to Mechanical Impact | No information available. |
| Sensitivity to Static Discharge | No information available. |

10.3. Possibility of hazardous reactions

| | |
|------------------------------------|-------------------------------|
| Hazardous polymerization | No information available. |
| Possibility of Hazardous Reactions | None under normal processing. |

10.4. Conditions to avoid

| | |
|---------------------|--------------------------|
| Conditions to avoid | Heat, flames and sparks. |
|---------------------|--------------------------|

10.5. Incompatible materials

| | |
|------------------------|--------------------------|
| Incompatible materials | Strong oxidizing agents. |
|------------------------|--------------------------|

10.6. Hazardous decomposition products

| | |
|----------------------------------|---|
| Hazardous Decomposition Products | None known based on information supplied. |
|----------------------------------|---|

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.
Unknown acute toxicity No information available.

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|-----------------------|----------------------|-------------------------------------|
| Glycerol | = 12600 mg/kg (Rat) | > 10 g/kg (Rabbit) | > 570 mg/m ³ (Rat) 1 h |

Target Organ Effects Eyes, Respiratory system, Kidney, Skin.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity May cause long lasting harmful effects to aquatic life.

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|---------------|----------------------|---|--------------------------------------|
| Glycerol | | 51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static | 500: 24 h Daphnia magna mg/L EC50 |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| Glycerol | -1.76 |

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

12.6. Other adverse effects

Other adverse effects No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

Other Information Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

| | <u>RID / ADR</u> Not regulated | <u>IMDG</u> Not regulated | <u>ICAO (air) / IATA</u> Not regulated |
|----------------------------------|-----------------------------------|------------------------------|---|
| 14.1 UN/ID no | - | - | - |
| 14.2 Proper shipping name | - | - | - |
| 14.3 Hazard Class | - | - | - |
| Subsidiary hazard class / Labels | - | - | - |
| 14.4 Packing Group | - | - | - |
| 14.5 14.5 Environmental Hazard | - | - | - |
| 14.6 14.6 Special Provisions | - | - | - |

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

All of the components in the product are on the following Inventory lists

Europe (EINECS/ELINCS/NLP) China (IECSC)

| Chemical name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------|------|-----|------|--------|--------|------|-------|------|-------|------|
| Glycerol | X | X | - | X | - | X | X | X | X | X |
| DAPI | - | - | - | X | - | - | X | - | - | - |

X - Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report No information available

Section 16: OTHER INFORMATION

Revision note

No information available.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet