

Document: D-54057
Version: D-54057-001
Release date: Aug 20, 2014
Update date: Jul 1, 2014
Printed on: Aug 20, 2014

MATERIAL SAFETY DATA SHEET

Applies to part numbers: AC2102 AC2103 AC2102-1

Section 1 Product and company identification

Product name: **Radiance Plus**
Supplier: Azure Biosystems, Inc.
Address: 6773 Sierra Court, Suite B
Dublin, CA 94568

Recommended Use: For research use only.

Restrictions on Use: Not for clinical use. Not for internal use in animals or humans. Not for diagnostic use. Not for household or any other unintended use.

Section 2 Hazards identification

EMERGENCY OVERVIEW:

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

| HMIS RATING | |
|--------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |

| NFPA RATING | |
|--------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |

For additional information on toxicity, please refer to Section 11.

Section 3 Composition/Information on Ingredients

| Ingredient | CAS # | % |
|--|----------|-----|
| 2-(cyclohexylamino)ethanesulfonic acid | 103-47-9 | 1-3 |

There are no other ingredients present which within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous according to the OSHA Hazard Communications Standard (29 CFR 1910.1200) and require reporting in this section.

Section 4 First Aid Measures

| | |
|---------------------|---|
| ORAL EXPOSURE | If swallowed, wash out mouth with water provided person is conscious. Call a physician. |
| INHALATION EXPOSURE | If inhaled, remove to fresh air. If breathing becomes difficult, call a physician. |
| DERMAL EXPOSURE | In case of contact, immediately wash skin with soap and copious amounts of water. |
| EYE EXPOSURE | In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician. |

Section 5 Fire Fighting Measures

| | |
|---------------------|-----|
| FLASH POINT | N/A |
| AUTOIGNITION TEMP | N/A |
| FLAMMABILITY | N/A |
| EXTINGUISHING MEDIA | |

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Not suitable: Not known

FIREFIGHTING Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 Accidental Release Measures

METHODS FOR CLEANING UP: Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 Handling and Storage

HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed. Store at 2-25°C

Section 8 Exposure Controls / PPE

PERSONAL PROTECTIVE EQUIPMENT

| | |
|--------------|--|
| Respiratory: | Respiratory protection is not required. Where protection is desired. |
| Hand: | Protective gloves. |
| Eye: | Chemical safety goggles. |

GENERAL HYGIENE MEASURES: Wash thoroughly after handling.

Section 9 Physical and chemical properties

| | |
|----------------------------|--|
| Appearance Physical State: | Colorless Liquid, water-based, pH 9.0 to 9.3 |
| Solvent Content: | < 1% |

Section 10 Stability and Reactivity

| | |
|---------------------|---------------------------------|
| STABILITY: | Stable |
| Materials to Avoid: | Strong oxidizing agents, acids. |

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Nature of decomposition products not known.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 Toxicological Information

ROUTE OF EXPOSURE

| | |
|------------------|--|
| Skin Contact: | May cause skin irritation. |
| Skin Absorption: | May be harmful if absorbed through the skin. |
| Eye Contact: | Causes eye irritation. |
| Inhalation: | Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. |
| Ingestion: | May be harmful if swallowed. |

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 Ecological Information

No known significant effects or critical hazards.

Section 13 Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

Observe all federal, state, and local environmental regulations.

Within the present knowledge of the supplier, this product is not regarded as hazardous waste.

Section 14 Transport Information

DOT

| | |
|------------------------------|---|
| Proper Shipping Name: | None |
| Non-Hazardous for Transport: | This substance is considered to be non-hazardous for transport. |

IATA

| | |
|----------------------------------|----------------------------------|
| Non-Hazardous for Air Transport: | Non-hazardous for air transport. |
|----------------------------------|----------------------------------|

Section 15 Regulatory Information

HCS Classification: Irritating material

Section 16 Other information

Date of last revision: Jul 1, 2014.

For R&D use only. Not for drug, household or other uses.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Document: D-54054
Version: D-54054-001
Release date: Aug 20, 2014
Update date: Jul 1, 2014
Printed on: Aug 20, 2014

MATERIAL SAFETY DATA SHEET

Applies to part numbers: AC2100 AC2101 AC2102 AC 2103 AC2100-1

Section 1 Product and company identification

Product name: **Radiance and Radiance Plus Peroxide**

Supplier: Advansta Inc.

Address: 1505 Adams Dr., Ste. B1
Menlo Park, CA 94025

Recommended Use: For research use only.

Restrictions on Use: Not for clinical use. Not for internal use in animals or humans. Not for diagnostic use. Not for household or any other unintended use.

Section 2 Hazards identification

EMERGENCY OVERVIEW:

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

| HMIS RATING | |
|--------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |

| NFPA RATING | |
|--------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |

For additional information on toxicity, please refer to Section 11.

Section 3 Composition/Information on Ingredients

| Ingredient | CAS # | % |
|------------|------------|-----|
| Boric acid | 10043-35-3 | 1-3 |

There are no other ingredients present which within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous according to the OSHA Hazard Communications Standard (29 CFR 1910.1200) and require reporting in this section.

Section 4 First Aid Measures

| | |
|---------------------|---|
| ORAL EXPOSURE | If swallowed, wash out mouth with water provided person is conscious. Call a physician. |
| INHALATION EXPOSURE | If inhaled, remove to fresh air. If breathing becomes difficult, call a physician. |
| DERMAL EXPOSURE | In case of contact, immediately wash skin with soap and copious amounts of water. |
| EYE EXPOSURE | In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician. |

Section 5 Fire Fighting Measures

| | |
|---------------------|-----|
| FLASH POINT | N/A |
| AUTOIGNITION TEMP | N/A |
| FLAMMABILITY | N/A |
| EXTINGUISHING MEDIA | |

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Not suitable: Not known

| | |
|--------------|---|
| FIREFIGHTING | Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions. |
|--------------|---|

Section 6 Accidental Release Measures

| | |
|--------------------------|--|
| METHODS FOR CLEANING UP: | Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. |
|--------------------------|--|

Section 7 Handling and Storage

HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed. Store at 2-25°C

Section 8 Exposure Controls / PPE

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Respiratory protection is not required. Where protection is desired.

Hand: Protective gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES: Wash thoroughly after handling.

Section 9 Physical and chemical properties

Appearance Physical State: Colorless Liquid, water-based, pH 9.0 to 9.3

Solvent Content: N/A

Section 10 Stability and Reactivity

STABILITY: Stable

Materials to Avoid: Strong oxidizing agents, metals, acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Nature of decomposition products not known.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 Ecological Information

No known significant effects or critical hazards.

Section 13 Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

Observe all federal, state, and local environmental regulations.

Within the present knowledge of the supplier, this product is not regarded as hazardous waste.

Section 14 Transport Information

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 Regulatory Information

HCS Classification: Irritating material

Section 16 Other information

Date of last revision: Jul 1, 2014.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Document updated July 1, 2014