



CARLA – Safety Data Sheet

1. PRODUCTS AND COMPANY IDENTIFICATION

1.1 Product names and codes

Microcystis CARLA Kit #CA-CY-01-00; Planktothrix CARLA Kit #CA-CY-02-00; ADA CARLA Kit #CA-CY-03-00; Cyndrospermopsis CARLA Kit #CA-CY-04-00; Alexandrium CARLA Kit #CA-MA-01-00; Dinophysis CARLA Kit #CA-MA-02-00; Pseudo-nitzschia CARLA Kit #CA-MA-03-00.

1.2 Product use

Specific detection of cyanobacteria and microalgae in water samples. For research use only (RUO).

1.3 Company

Microbia Environnement SAS, Pôle Entrepreneurial Le Cap, 1 rue des Sittelles, 66700 Argelès-sur-mer, France, contact@microbia-environnement.com

1.4 Emergency numbers

+33 (0)7 69 49 12 59 (French & English) +33 (0)4 68 36 15 52 (French only)

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture

Not a hazardous mixture.

2.2 GHS Label elements, including precautionary statements

Not applicable.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None known.

2.4 Unknown acute toxicity

None known.

3. INFORMATION ON INGREDIENTS

The CARLA kit is a set of 14 different reagents/mixtures. It contains no hazardous ingredients at levels requiring disclosure by the EU-OSHA Regulation (EC/1272/2008) or US-OSHA Hazard Communication Standard (HCS 29 CFR 1910.1200). However, it contains minor amounts of materials considered hazardous. We recommend handling all reagents with caution.

4. FIRST AID MEASURES

4.1 Description of first aid measures

In all cases, consult a physician and show this safety data sheet.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Use an extinguishing agent suitable for the surrounding fire. Wear self-contained breathing apparatus for fire-fighting if necessary. There is none known special hazards arising from the product substances and mixtures.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist, dust, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Solids (containers, microplate): Pick up and arrange disposal without creating dust. Sweep up and shovel; **Liquids** (reagents): Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Keep in closed containers for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation of vapours and contact with skin and eyes. Wear appropriate personal protective equipment. Do not eat, drink, or smoke in work area.

7.2 Precautions for safe storage

Keep containers tightly closed in a dry, well-ventilated place. Protect from physical damage. See labels for appropriate storage temperature and additional specific information.

8. EXPOSURE CONTROLS / INDIVIDUAL PROTECTION

8.1 Control parameters: Not applicable.

8.2 Exposure controls

Appropriate engineering controls: Provide adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Keep away from food and beverages.

Personal protective equipment: The usual precautionary measures, including eye/face/skin protection, should be taken when handling any chemical. Avoid contact with eyes, skin, and clothing.

Eye protection: As with handling of any chemical, wear approved safety goggles.

Skin protection: Handle with gloves. No specific information regarding glove material or thickness is available, but gloves must be impermeable and resistant to the substance being handled. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: As with any chemical, where excessive vapor, mist, or dust may result, use a chemical fume hood or approved respiratory protection equipment.

Body protection: Lightweight, protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Multiple; **Odor:** Characteristic; **Odor Threshold:** No data available; **pH:** Multiple **Melting point/freezing point:** No data available; **Initial boiling point and boiling range:** No data available; **Flash point:** Not applicable; **Evaporation rate:** No data available; **Flammability (solid, gas):** No data available; **Upper/lower flammability or explosive limits:** No data available; **Vapor pressure:** No data available; **Vapor density:** No data available; **Relative density:** No data available; **Water solubility:** Various; **Partition coefficient n-octanol/water:** No data available; **Auto-ignition temperature:** Not applicable; **Decomposition temperature:** No data available; **Viscosity:** No data available; **Explosive properties:** No data available; **Oxidizing properties:** No data available

9.2 Other information: No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: No data available

10.4 Conditions to avoid: No data available

10.5 Incompatible materials: No data available

10.6 Hazardous decomposition products: No data available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not available. To the best of our knowledge, the chemical, physical, and toxicological properties of this product have not been thoroughly investigated.

Inhalation: No data available ; **Ingestion:** No data available ; **Skin contact:** Irritant to skin and mucous membranes ; **Eye contact:** May cause eye irritation in susceptible persons ; **Respiratory or skin sensitization:** No data available ; **Aspiration hazard:** No data available ; **Mutagenicity:** No data available ; **Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by EU-OSHA ; **Teratogenicity:** No data available ; **Reproductive/fertility toxicity:** No data available ; **Specific target organ toxicity** through single exposure or repeated exposure: No data available.

12. ECOLOGICAL INFORMATION

No data available regarding toxicity, ecotoxicity, persistence and degradability, bioaccumulation potential, and mobility in soil. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

All waste must be handled and disposed according to local (national) regulations. Avoid disposing large volumes in sewer.

14. TRANSPORT INFORMATION

This product contains 5 categories of compounds: (1) General miscellaneous chemical reagents (HS code: 38220090); (2) Nucleic acids of synthetic origin (HS code: 38220090); (3) Buffer aqueous solutions based on serum/proteins of animal origin (HS code: 30021200); Polyclonal antibody of animal origin (not classified, not regulated); and one polymer-based Microtiter plate 96-wells (not classified, not regulated).

15. REGULATORY INFORMATION

To the best of our knowledge, this product contains no substances which, at their given concentrations, are considered hazardous by EU and other regulatory agencies. The product does not contain any chemicals known to cause cancer, birth defects, or any other reproductive harm (Art. 31 REACH UE regulation n° 1907/2006).

16. OTHER INFORMATION

This information is based on our present knowledge. While *Microbia Environnement SAS* believes that the data contained herein are factual and the opinions expressed represent a best effort to present accurate information, the data are not to be taken as a warranty or representation for which *Microbia Environnement SAS* assumes legal responsibility. The information shall not be taken as being all-inclusive and is to be used only as a guide. The data are offered solely for the user's consideration, investigation, and verification. These suggestions should not be confused with either insurance requirements or with national safety codes and constitute no warranty. Any use of these data and information must be determined by the user to be in accordance with applicable national and local regulations.

All materials and mixtures may present unknown hazards and should be used with caution. Since we cannot control the methods, volumes, or conditions of use of this product, *Microbia Environnement SAS* shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material. This product is sold for research use only. It is not for any human or animal therapeutic or clinical diagnostic use.

Date this SDS was prepared: 8/2/2021

Version: 1

Art. 31 REGLEMENT EU n° 1907/2006 (REACH)