

Material Safety Data Sheet (MSDS)

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1. PRODUCT NAMES

- pLifeAct-TagGFP2
- pLifeAct-TagRFP

2. COMPOSITION AND INGREDIENTS INFORMATION

Reagent	Weight %	CAS #	EINECS #
Water	> 50	7732-18-5	231-791-2

Components not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive 1999/45/EC.

For detailed information see the MSDS of the pure components listed in the table.

3. HAZARDS IDENTIFICATION

Hazard description: Not applicable.

Information concerning particular hazards for humans and environment: The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Potential Acute Health Effects:

No data available. Plasmid DNA is not a regulated hazardous material.

4. FIRST-AID MEASURES

Eye Contact:

In case of contact, rinse opened eye for several minutes under running water.

Skin Contact:

Generally the product does not irritate the skin.

Inhalation:

If inhaled, supply fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention in case of complaints.

Ingestion:

If swallowed, wash out mouth with water if person is conscious. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Remove contaminated clothing. Get medical attention if symptoms persist.

5. FIRE AND EXPLOSION DATA

Flammability of the Product:

Not applicable.

Fire Hazards in Presence of Various Substances:

N/a.

Explosion Hazards in Presence of Various Substances:

N/a.

Fire Fighting Media and Instructions:

SMALL FIRE: Use dry chemical powder.

LARGE FIRE: Use water spray, fog or foam.

Protective equipment:

No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Mop up or absorb with an inert dry material and place in an appropriate waste disposal container. Use appropriate personal protective equipment. Finish cleaning by spreading decontaminant on the contaminated surface and dispose of according to local and regional authority requirements. Ventilate the area.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.

Storage: No special requirements.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:

The usual precautionary measures are to be adhered to when handling chemicals. Respiratory protection is not required. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Liquid.

Color: Colorless.

Odour: Odourless.

Change in condition:

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash point: Not applicable.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Density at 20°C: 1g/cm³

Solubility: Fully miscible in water.

pH-value at 20°C: 7,6

10. STABILITY AND REACTIVITY

Stability: The product is stable.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No acute toxicity known.

Primary irritant effect:

On the skin: No irritant effect.

On the eye: No irritant effect.

Chronic Effects on Humans: No data available.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product is not subject to classification according to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

No data available. Plasmid DNA is not a regulated hazardous material.

13. DISPOSAL CONSIDERATION

Plasmid DNA is not a regulated hazardous material. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION

IATA: Not restricted.

DOT (Department of Transportation): Not a hazardous material for DOT shipping (United States).

15. OTHER INFORMATION

No specific notes.

The above information is believed to be correct to the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide. This product is intended to be used by expert persons having chemical knowledge and skill, at their own discretion and risk and ibidi or the distributor shall not be held liable for any damage resulting from handling or from contact with the above material.

For research use only!