SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name: LuciPac A3 Water (60365)

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

Identified uses: ATP + ADP + AMP Hygiene Monitoring test (for water and liquid sample).

Details of the supplier of the safety data sheet

Name of manufacturer in Japan: Kikkoman Biochemifa Company
Address 2-1-1, Nishi-Shinbashi, Minato-ku, Tokyo 105-0003, Japan
Telephone number +81-3-5521-5493
Fax number +81-3-5521-5498
e-mail address biochemifa@mail.kikkoman.co.jp

SECTION 2: Hazards identification

Hazards identification

GHS Classification: **Not applicable**

[Note]

As of today, all items regarding “Physical Hazards”, “Health Hazards” and “Environmental hazards” are “Not applicable for classification” or “Classification not possible”

SECTION 3: Composition/information on ingredients

Distinction of a chemical substance or a mixture: (1) Luminescent reagent / a mixture
(2) Releasing reagent / a mixture

Information on ingredients: Contributes to a classification: None

* The impurities or stabilizer which contributes to a classification: None

SECTION 4: First aid measures

Description of first aid measures

IF INHALED : Inhale fresh air.
IF ON SKIN : Gently wash skin with plenty of water and soap.
IF IN EYES : Rinse eyes with plenty of water.
IF SWALLOWED : Rinse mouth and throat thoroughly with water.

* If symptoms occur, see a doctor.

SECTION 5: Firefighting measures

Suitable extinguishing media

Water spray, carbon dioxide, foam, dry chemical powder, dry sand.

Unsuitable extinguishing media

No information.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment described in “Section 8: Exposure controls / personal protection”.

Environmental precautions

Protect spills from entering drains. Avoid releasing to the environment.

Methods and material for containment and cleaning up

In the case of powders, sweep it up with a vacuum cleaner. In the case of liquid, absorb it on sawdust or waste cloth and collect it to a container. In the case of small quantity, wipe it off.

SECTION 7: Handling and storage

Precautions for safe handling

Do not handle until all safety precautions have been read and understood.

Conditions for safe storage, including any incompatibilities

Keep aluminum bag (with dehumidifying function) tightly sealed. Store at 2-8°C and protect from light. Do not freeze.

SECTION 8: Exposure controls/personal protection

Personal protective equipment

Hand protection	: Protective gloves as needed.
Eye protection	: Protective glasses or safety goggles as needed.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance (physical state, form and colour)	: (1) Luminescent reagent: White lyophilizate (2) Releasing reagent: Clear and colorless liquid
Odour	: (1), (2) None
Melting/Freezing point	: No information
Initial boiling point and boiling range	: No information
Flammability	: No information
Upper/lower flammability or explosive limits	: No information
Flash point	: No information
Auto-ignition temperature	: No information
Decomposition temperature	: No information
pH	: (2) 8.0-9.0
Solubility	: No information
Partition coefficient: n-octanol/ water	: No information
Kinematic viscosity	: No information
Vapour pressure	: No information
Density and / or relative density	: No information
Particle characteristics	: No information

SECTION 10: Stability and reactivity

Reactivity and chemicals stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: No information
Conditions to be avoided	: Sunlight, high temperature, oxidizing agent, hydroxyl group.
Incompatible materials	: No information
Hazardous decomposition products	: Carbon monoxide (CO), Carbon dioxide (CO_2), Nitrogen oxides (NO_X), Phosphorus oxide.

SECTION 11: Toxicological information

Acute toxicity	: No information
Skin corrosion / irritation	: No information
Serious eye damage / irritation	: No information
Respiratory or skin sensitization	: No information
Germ cell mutagenicity	: No information
Carcinogenicity	: No information
Reproductive toxicity	: No information
STOT-single exposure	: No information
STOT-repeated exposure	: No information
Aspiration hazard	: No information

SECTION 12: Ecological information

Toxicity	: No information
Persistence and degradability	: No information
Bioaccumulative potential	: No information
Mobility in soil	: No information
Hazard to the ozone layer	: No information

SECTION 13: Disposal considerations

Waste treatment methods

Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmental agency for specific rules).
After contents are completely removed, dispose of its container in accordance with local/regional/national/international regulation.

SECTION 14: Transport information

UN number	: Not applicable
UN proper shipping name	: Not applicable
Transport hazard class(es)	: Not applicable
Packing group	: Not applicable

SECTION 15: Regulatory information

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

Industrial Safety and Health Law	: Not applicable
Poisonous and Deleterious Substances Control Law	: Not applicable
PRTR Law	: Not applicable
The Fire Laws	: Not applicable

SECTION 16: Other information

References:

1) GHS classification results by the Japanese Government (NITE CHRIP)
2) JIS Z 7252 : 2019
3) JIS Z 7253 : 2019
4) Globally Harmonized System of classification and labeling of chemicals, (6th ed., 2015), UN

[Disclaimer]

This SDS is according to JIS Z 7253: 2019
GHS Classification is according to JIS Z7252: 2019
*JIS: Japanese Industrial Standards

This SDS has been prepared based on the best available information however, it may not be sufficient in some cases. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.