

Safety Data Sheet

1. IDENTIFICATION OF PRODUCT AND SUPPLIER

Product name: **MEASURE ALP IFCC (R-1)**
Manufacturer's name: UMA, Co., Ltd.
Address: 2-19-6, Yokosuka, Matsudo, Chiba, 270-0031, Japan
Tel: +81-47-710-4871
Fax: +81-47-710-4872
(In Vitro Diagnostics Reagent, Measure for Alkaline Phosphatase)

2. CHEMICAL CHARACTERIZATION / INFORMATION ON INGREDIENTS

R-1 reagent contains Sodium Azide 0.09% (CAS # 26628-22-8) (Poison), DO NOT INGEST.

3. HAZARDS IDENTIFICATION

ROUTE OF ENTRY/EXPOSURE

SKIN CONTACT: [x] EYE CONTACT: [x] INHALATION: [x] INGESTION: [x] SKIN ABSORPTION [x]

Effects of acute exposure:

SKIN CONTACT: May cause irritation.

EYE CONTACT: May cause irritation.

INGESTION: May be harmful if ingested.

INHALATION: May cause irritation to mucous membranes and upper respiratory tract.

Effects of chronic exposure: No data available.

SENSITIZATION TO PRODUCT: Not Available

SYNERGISTIC PRODUCTS: Not Available

LD50: MOPSO: Not Available

4. FIRST AID MEASURES

SKIN: In case of contact, immediately flush area with plenty of water.
EYES: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.
ORAL: If ingested drink plenty of fluids and contact a physician.
INHALATION: If inhaled move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call physician.

5. FIRE-FIGHTING MEASURES

Flammable: NO
Extinguishing media: As appropriate for fire in surrounding materials.
Flash point: Not Applicable
Upper flammable limit: Not
Lower flammable limit: Applicable
Autoignition temperature: Not
Hazardous combustion products: Applicable
Not
Applicable
No data

Explosion data

Sensitivity to mechanical impact: Not Applicable

Sensitivity to static discharge: Not Applicable

Unusual fire and explosion hazards: No Data

6. ACCIDENTAL RELEASE MEASURES

Local exhaust: Not Required
Protective clothing: Lab Coat
Protective gloves: Rubber/Latex
Eye protection: Safety glasses
Other precautions: Avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.
Respiratory protection: None normally required.
Leak and spill procedure: Absorb small leaks or spills with sponge; mop up large spills with plenty of soap and water

7. HANDLING AND STORAGE

Handling: Normal precautions for handling chemicals must be observed.
Storage: Store between +2°C and +8°C
Shipping regulations: Not regulated

8. EXPOSURE CONTROLS / PERSONNEL PROTECTION

See 6.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Reagent is provided as a two part liquid.
Appearance and odor: The R1 reagent is clear and colorless.
Odor threshold: Not Available
Vapor pressure: Not Available
Vapor density: Not Available
Specific gravity: Not Available
Evaporation rate: Not Available
Melting point: Not Available
Boiling point: Not Available
Solubility in water: Not Applicable
pH: Reagent = 10.45
Coefficient of oil/water distribution: Not Available

10. STABILITY AND REACTIVITY

Stable: Yes
Hazardous polymerization: Will not occur.
Incompatibility with other substances: Caution, contains Sodium Azides, in contact with heavy metals, may form explosive metalazides.
Hazardous decomposition products: Not Available

11. TOXICOLOGICAL INFORMATION

See 3.

12. ECOLOGICAL INFORMATION

Water Hazard Class: Data not yet available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Dilute with large volumes of water and dispose of into sewer system, in accordance with local regulations.

14. TRANSPORT INFORMATION

Shipping information: Not regulated

15. REGULATORY INFORMATION

Not applicable.

1. IDENTIFICATION OF PRODUCT AND SUPPLIERProduct name: **MEASURE ALP IFCC (R-2)**

(In Vitro Diagnostics Reagent, Measure for Alkaline Phosphatase)

supplier: Manufacturer's name: **UMA, Co., Ltd.**Address: **2-19-6, Yokosuka, Matsudo, Chiba, 270-0031, Japan**Tel: **+81-47-710-4871**Fax: **+81-47-710-4872****2. CHEMICAL CHARACTERIZATION / INFORMATION ON INGREDIENTS**

R-2 reagent contains Sodium Azide 0.095% (CAS # 26628-22-8) (Poison), DO NOT INGEST.

3. HAZARDS IDENTIFICATION**ROUTE OF ENTRY/EXPOSURE**

SKIN CONTACT: [x] EYE CONTACT: [x] INHALATION: [x] INGESTION: [x] SKIN ABSORPTION [x]

Effects of acute exposure:**SKIN CONTACT:** May cause irritation.**EYE CONTACT:** May cause irritation.**INGESTION:** May be harmful if ingested.**INHALATION:** May cause irritation to mucous membranes and upper respiratory tract.**Effects of chronic exposure:** No data available.**SENSITIZATION TO PRODUCT:** Not Available**SYNERGISTIC PRODUCTS:** Not Available**LD50: MOPSO:** Not Available**4. FIRST AID MEASURES****SKIN:** In case of contact, immediately flush area with plenty of water.**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.**ORAL:** If ingested drink plenty of fluids and contact a physician.**INHALATION:** If inhaled move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call physician.**5. FIRE-FIGHTING MEASURES****Flammable:** NO**Extinguishing media:** As appropriate for fire in surrounding materials.**Flash point:** Not Applicable**Upper flammable limit:** Not Applicable**Lower flammable limit:** Not Applicable**Autoignition temperature:** Not Applicable**Hazardous combustion products:** No data**Explosion data****Sensitivity to mechanical impact:** Not Applicable**Sensitivity to static discharge:** Not Applicable**Unusual fire and explosion hazards:** No Data**6. ACCIDENTAL RELEASE MEASURES****Local exhaust:** Not Required**Protective clothing:** Lab Coat**Protective gloves:** Rubber/Latex**Eye protection:** Safety glasses**Other precautions:** Avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.**Respiratory protection:** None normally required.**Leak and spill procedure:** Absorb small leaks or spills with sponge; mop up large spills with plenty of soap and water.

7. HANDLING AND STORAGE

Handling: Normal precautions for handling chemicals must be observed.
Storage: Store between +2°C and +8°C
Shipping regulations: Not regulated

8. EXPOSURE CONTROLS / PERSONNEL PROTECTION

See 6.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Reagent is provided as a two part liquid.
Appearance and odor: The R2 reagent is slight yellow in color.
Odor threshold: Not Available
Vapor pressure: Not Available
Vapor density: Not Available
Specific gravity: Not Available
Evaporation rate: Not Available
Melting point: Not Available
Boiling point: Not Available
Solubility in water: Not Applicable
pH: Reagent = 10.45
Coefficient of oil/water distribution: Not Available

10. STABILITY AND REACTIVITY

Stable: Yes
Hazardous polymerization: Will not occur.
Incompatibility with other substances: Caution, contains Sodium Azides, in contact with heavy metals, may form explosive metal azides.
Hazardous decomposition products: Not Available

11. TOXICOLOGICAL INFORMATION

See 3.

12. ECOLOGICAL INFORMATION

Water Hazard Class: Data not yet available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Dilute with large volumes of water and dispose of into sewer system, in accordance with local regulations.

14. TRANSPORT INFORMATION

Shipping information: Not regulated

15. REGULATORY INFORMATION

Not applicable.

16. OTHER INFORMATION