

Safety Data Sheet
MEASURE PG I R-1

1. Product and Company Identification

Name: **MEASURE PG I 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

2. Hazard Identification

GHS classification It does not fall under the classification standard

3. Composition information on ingredients

Single Substance or Mixture : Mixture

Constituent reagent name	Chemical Name	Weight-%	ENCS	ISHL No.	CAS No.
R-1	Sodium azide	0.09	(1)-482	N/A	26628-22-8

4. First Aid Measures

Inhalation : Remove to fresh air. If symptoms persist, call a physician.

Skin contact : Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

Ingestion : Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

Protection of those who take emergency measures : Be careful not to use gloves so as not to touch harmful substances

Special precautions for doctors : Nothing special

5. Fire fighting measures

Extinguishing Media

: Because this product is an aqueous solution, it does not burn.

Depending on the type of surrounding fires, use powder / carbon dioxide digester, dry sand etc.

Protection of firefighters

: Fire extinguishing work is done from the windward side and in some cases wear protective equipment.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

: Avoid direct skin contact

Environmental precautions

: Be careful not to leak spilled chemicals, rich waste liquids to rivers etc.

When diluting with a large amount of water, contaminated wastewater flows to the environment without proper treatment

Containment, purification method and equipment

: Stop leak if it is not dangerous.

7. Handling and Storage

- Handling :Technical measures Wear appropriate protective equipment so as not to touch eyes, skin and clothing. Prohibit sharp handling such as giving a large shock, falling, falling, etc. to the container or dragging.
- Storage :Avoid direct sunlight and store at 2-8 ° C.

8. Exposure Controls/Personal Protection

Permissible Exposure Limits

Component	Permissible Exposure Limit(s)
Sodium Azide	ACGIH, TLV: 0.29mg/m ³ . Ceiling JSOH: No setting.

Engineering Controls No Special controls needed.

Personal Protective Equipment

Eye Protection Wear chemical splash goggles and/or face shield when eye and face contact is possible due to splashing or spraying of material.

Skin Protection Use chemically resistant gloves and a lab coat with sleeves.

Respiratory Protection Exceeding exposure limits is unlikely during normal usage. However, if irritating vapors are produced, respiratory protection is recommended. Attempt to reduce exposure levels to an acceptable range.

General Hygiene Measures Avoid contact with eyes, skin and clothing. Wash hands Thoroughly after handling and before eating or drinking.

9. Physical and Chemical Properties

appearance		PH	Flash point	Explosive range Upper and lower limit	specific gravity (Relative density)	Solubility
Physical state	color					
liquid	colorless	7.00-8.00 (20°C)	Do not ignite.	It does not explode	—	This product is an aqueous solution

10. Stability and reactivity

Chemical stability	No information
Hazardous reaction possibility	No information
Conditions to Avoid	Direct sunlight, heat
Incompatible hazardous substance	No information
Hazardous decomposition products	No information

11. Toxicological information

It contains no hazardous substances in excess of the content specified by law.

12. Ecological information

Ecotoxicity	No information
Residuality / degradability	No information
Ecological Accumulation	No information
Mobility in soil	No information
Hazard to the ozone layer	No information

13. Disposal Considerations

- Remaining waste :When a very small amount is discarded from the drain outlet, since it damages the piping, it is washed together with a large amount of water shed
:In the case of large quantities, disposal by a special waste disposal

contractor who received permission from the prefectural governor request.
Contaminated containers / packaging : After washing the used container thoroughly with water, discard it separately.

14. Transport information

International rules :None
Domestic rules :None
Specific safety measures and conditions for transportation :Avoid direct sunlight and transport at 2-8 ° C. Avoid falling, dropping, and sideways, to prevent collapse of the load.

15. Regulatory information

Chemical substance management promotion law (PRTR Law) :Not applicable
Occupational safety and health law :Not applicable
Poisonous and Deleterious Substances Control Law :Not applicable
Pharmaceutical Affairs Law :In Vitro Diagnosis
Ship safety law :Not applicable
Aerial law :Not applicable

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lose profit or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

Safety Data Sheet

MEASURE PG I R-2

1. Product and Company Identification

Name: **MEASURE PG I R-2**

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. Hazard Identification

GHS classification It does not fall under the classification standard

3. Composition information on ingredients

Single Substance or Mixture : Mixture It contains no hazardous substances more than the content specified by the law.

5. First Aid Measures

Inhalation	:Remove to fresh air. If symptoms persist, call a physician.
Skin contact	:Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
Eye contact	:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.
Ingestion	:Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.
Protection of those who take emergency measures	:Be careful not to use gloves so as not to touch harmful substances
Special precautions for doctors	:Nothing special

6. Fire fighting measures

Extinguishing Media

:Because this product is an aqueous solution, it does not burn.
Depending on the type of surrounding fires, use powder / carbon dioxide digester, dry sand etc.

Protection of firefighters

:Fire extinguishing work is done from the windward side and in some cases wear protective equipment.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

:Avoid direct skin contact

Environmental precautions

:Be careful not to leak spilled chemicals, rich waste liquids to rivers etc.
When diluting with a large amount of water, contaminated wastewater flows to
the environment without proper treatment

Containment, purification method and equipment

:Stop leak if it is not dangerous.

8. Handling and Storage

Handling :Technical measures Wear appropriate protective equipment so as not to touch eyes, skin and clothing. Prohibit sharp handling such as giving a large shock, falling, falling, etc. to the container or dragging.

Storage :Avoid direct sunlight and store at 2-8 ° C.

8. Exposure Controls/Personal Protection

Equipment measures

:None

Controlled Concentration

:Not set

Acceptable concentration

:Not set

Protective Equipment

:Wear goggles, protective glove, and protective eyewear if necessary.

9. Physical and Chemical Properties

appearance		PH	Flash point	Explosive range Upper and lower limit	specific gravity (Relative density)	Solubility
Physical state	color					
liquid	Opalescent	6.00-8.00 (20°C)	Do not ignite.	It does not explode	—	This product is an aqueous solution

10. Stability and reactivity

Chemical stability	No information
Hazardous reaction possibility	No information
Conditions to Avoid	Direct sunlight, heat
Incompatible hazardous substance	No information
Hazardous decomposition products	No information

12. Toxicological information

It contains no hazardous substances in excess of the content specified by law.

12. Ecological information

Ecotoxicity	No information
Residuality / degradability	No information
Ecological Accumulation	No information
Mobility in soil	No information
Hazard to the ozone layer	No information

13. Disposal Considerations

Remaining waste	:When a very small amount is discarded from the drain outlet, since it damages the piping, it is washed together with a large amount of water shed :In the case of large quantities, disposal by a special waste disposal contractor who received permission from the prefectural governor request.
Contaminated containers / packaging	: After washing the used container thoroughly with water, discard it separately.

16. Transport information

International rules	:None
Domestic rules	:None
Specific safety measures and conditions for transportation	:Avoid direct sunlight and transport at 2-8 ° C. Avoid falling, dropping, and sideways, to prevent collapse of the load.

17. Regulatory information

Chemical substance management promotion law (PRTR Law)	:Not applicable
Occupational safety and health law	:Not applicable
Poisonous and Deleterious Substances Control Law	:Not applicable
Pharmaceutical Affairs Law	:In Vitro Diagnosis
Ship safety law	:Not applicable
Aerial law	:Not applicable

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lose profit or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.