

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME AQUA KEEP 10SH-PF
RECOMMENDED USE Water repellent tape for power and optical cables. Water-swelling rubber. Pads for absorbing water.
CONTACT SUMITOMO SEIKA AMERICA, INC.
 Address 150 East 42nd Street, Suite 701, New York, NY 10017
 Telephone number 212-572-8245 (USA)
 Telefax number 212-421-1179 (USA)
MANUFACTURER SUMITOMO SEIKA CHEMICALS CO., LTD.
 Super Absorbent Polymers Division
 Address The Sumitomo Building 4-5-33 Kitahama, Chuo-ku, Osaka, 541-0041, Japan
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EMERGENCY TELEPHONE 800-424-9300 (CHEMTREC, USA)

2. HAZARDS IDENTIFICATION THE

MOST IMPORTANT PHYSICAL AND CHEMICAL HAZARDS AND EFFECTS At high temperature: Thermal decomposition can give toxic products. (CO, CO₂)
 In the presence of an ignition source:
 Dusts can form explosive mixture with air.

GHS Classification

<u>HAZARD CLASS</u>	<u>CATEGORY</u>
SELF-REACTIVE SUBSTANCES AND MIXTURES	Not classified
PYROPHORIC SOLIDS	Not classified
SELF-HEATING SUBSTANCES AND MIXTURES	Not classified
SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GASES	Not classified
OXIDIZING SOLIDS	Not classified
ORGANIC PEROXIDES	Not classified
ACUTE TOXICITY – SKIN	Not classified
ACUTE TOXICITY – ORAL	Not classified
SKIN CORROSION/IRRITATION	Not classified
EYE DAMAGE/IRRITATION	Not classified
SENSITIZATION – RESPIRATORY AND SKIN	Not classified
OTHER HAZARD CLASSES	“Not applicable” or “Of no classification”

LABEL ELEMENT

PICTOGRAM No pictogram
SIGNAL WORD None
HAZARD STATEMENT None
PRECAUTIONARY STATEMENT Call a doctor if you feel unwell.
 Products become slippery when it absorbs the water.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL/MIXTURE MIXTURE
CHEMICAL NAME Acrylic Acid Polymer Sodium Salt, Additives
CHEMICAL FORMULA $(\text{C H}_2\text{-C H})_m\text{-(C H}_2\text{-C H})_n$
 $\begin{array}{cc} | & | \\ \text{C O O H} & \text{C O O N a} \end{array}$

CHEMICAL NATURE	FORMULA	CAS No.	CONCENTRATION
Acrylic Acid Polymer Sodium Salt	—	9003-04-7	≥ 90%
Water	H ₂ O	—	≤ 10%

4. FIRST-AID MEASURES

- INHALATION** : Remove to fresh air and seek medical attention if necessary.
- SKIN CONTACT** : Immediately flush skin with copious amount of water.
- EYE CONTACT** : Immediately flush eyes with copious amount of water and seek medical attention
- INGESTION** : Remove contact lenses, if present and easy to do.
: Remove as much AQUA KEEP as possible from the mouth.
Seek doctor immediately.
If the victim is conscious, induce vomiting and rinse his mouth thoroughly with plenty of water.
- INDICATION** : Choking, nausea, and stomachache.
- ADVICE FOR FIRST-AID PERSON** : Wear effective dust mask.
: Remove as much AQUA KEEP as possible, because it is hard to treat when AQUA KEEP has absorbed water.
- ADVICE FOR DOCTOR** : Let the victim rest.
- MOST IMPORTANT SYMPTOMS** : See Section 2.
- IMMEDIATE MEDICAL ATTENTION REQUIRED** : Immediately call a POISON CENTER or doctor/physician.

5. FIRE-FIGHTING MEASURES

- EXTINGUISHING MEDIA** : Water, Dry Powder, Carbon dioxide (CO2), Foam.
- PROHIBITED MEDIA** : None
- SPECIFIC HAZARD FOR FIRE-FIGHTING** : In the presence of an ignition source: Dust can form explosive mixture with air (in an enclosed space).
: Temperature above 200°C: Thermal decomposition can give toxic products, Organic derivatives, carbon monoxides.
: Fight a fire from windward if possible.
: Move the container to the safety area if possible.
: Sprinkle the container and its surroundings with water if not possible to move.
- SPECIFIC EQUIPMENT FOR THE FIREFIGHTERS** : Wear protective clothing, safety goggles and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS** : Avoid contact with skin and eyes.
: Prohibit inhalation of dust.
- ENVIRONMENTAL PRECAUTIONS** : Products become slippery when it absorbs water.
: Do not release into environment.
: Do not let the product enter into drains.
- METHODS FOR CLEANING RECOVERY** : Collect product by mechanical means.
: Do not rinse with water as ground will become slippery.
: Moist product : Absorb the remainder with an inert absorbent material.
: Wear protective clothing, safety goggles and effective mask to prevent the dust from contacting eye and skin.
- DISPOSAL** : Destroy the product by incineration.
- ADVICE TO PREVENT SECONDARY HAZARDS** : Product becomes slippery when it absorbs water.

7. HANDLING AND STORAGE

- HANDLING TECHNICAL MEASURES** : Avoid dust forming.
: Storage and handling precautions applicable to products :
Dust forming, forming explosive mixtures with air (In the presence of an ignition source:)
Ensure appropriate exhaust and ventilation at machinery and at places where dust can be generated.(Do not permanently recycle dust-laden air)
- PREVENTION OF EXPOSURE** : Wear suitable chemical resistant gloves, safety goggles, dust mask and other clothing.
: Use only in the well ventilated area.
- PREVENTION OF FIRE AND EXPLOSION** : Keep away from heat, sparks, flame and all other ignition sources.

VENTILATION : Local and general ventilation and cleaning after Dust forming.
NOTICE : Do not handle roughly, such as dropping, shocking, and dragging etc. : Products become slippery when it absorbs water.

STORAGE

TECHNICAL ADVICE : Avoid humidity, especially direct contact with water.
STORAGE CONDITION : Keep container tightly closed.
 : Keep container cool.
 : Protect from direct sunlight.
 : Store protected from moisture.
 : Keep away from heat and sources of ignition.
 : Provide electrical grounding of equipment and electrical equipment usable in explosive atmosphere.
RECOMMENDED PACKAGING : The material must be kept in watertight packaging.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PROTECTIVE PROVISIONS : Ensure sufficient air exchange and / or exhaust in work areas.
 (Do not permanently recycle dust-laden air)

CONTROL PARAMETERS

EXPOSURE LIMIT : 0.05mg/m³(MAK, 2005) (respirable dust : particle size <10 μ m)
 : Not listed (OSHA, 2004)
 : Not listed (ACGIH, 2005)

TECHNICAL ADVICE : Dust collector should be installed to improve the working environment.

PERSONAL PROTECTIVE EQUIPEMENT

RESPIRATORY : Effective dust mask
HAND : Gloves
EYE : Safety glasses / goggles
SKIN AND BODY : Non-skid boots
SPECIFIC HYGIENE MEASURES : Avoid contact with skin and eyes.
 Prohibit inhalation of dust

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Solid
FORM : Granular powder
COLOR : White
ODOR : Odorless
BULK DENSITY : 0.30 to 0.50 g/ml
pH : 6 to 8
SOLUBILTY IN WATER : Swells in water
MELTING POINT : No data
FREEZING POINT : No data
INITIAL BOILING POINT : No data
FLASH POINT : No data
EVAPORATION RATE : No data
FLAMMABILITY : No data
VAPOR PRESSURE : No data
VAPOR DENSITY : No data
RELATIVE DENSITY : No data
PARTITION COEFFICIENT : No data
AUTO IGNITION TEMPERATURE : No data
DECOMPOSITION TEMPERATURE : No data
VISCOSITY : No data
DUST LOWER EXPLOSION LIMIT : No data
ELECTRICAL RESISTIVITY : No data
PHYROPHORIC GAS : Non applicable
SIMPLE ASPHYXIANANT : Non applicable
COMBUSTIBLE DUST : No available data

10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

REACTIVITY : No data
STABILITY : Stable at room temperature.
 : Thermal decomposition will start above about 200°C.
HAZARD IN SPECIAL CONDITION : Products become slippery when it absorb the water.
CONDITIONS TO AVOID : Keep away from heat and sources of ignition.
 : Store protected from moisture.
MATERIAL TO AVOID : None
INCOMPATIBLE MATERIALS : No data
HAZARDOUS DECOMPOSITION PRODUCTS : Thermal decomposition gives toxic products
 : organic vapors, carbon monoxide

11. TOXICOLOGICAL INFORMATION ¹⁾

ACUTE TOXICITY : Oral rat LD50 >1,600m g /kg, mouse LD50 >3,200m g /kg
IRRITATION / CORROSIVENESS
SKIN IRRITATION : Not irritant (Human, Rabbit)
SKIN CORROSIVENESS : None(Rabbit)
EYE IRRITATION : None(Rabbit)
VAGINAL MUCOSA IRITATION : None (Dog)
SKIN CONTACT SENSITISATION : Not sensitizing (Guinea Pig)
MUTAGENICITY : AMES test is negative, using Salmonella typhimurium (TA 98, TA100, TA1535 and TA1537) and Escherichia coli (WP2uvrA)
CARCINOGENICITY : No data
TOXIC TO REPRODUCTION : No data
SPECIFIC TARGET ORGAN TOXICITY : No data
ASPIRATION TOXICITY : No data
SYMPTOMS OF EXPOSURE : Dust may cause eye, nasal, or bronchial irritation.

12. ECOLOGICAL INFORMATION¹⁾

Acute Toxicity - Aquatic Invertebrates : EC50 48 hours > 100 mg/l Daphnia magna

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT : Disposal should be done in accordance with local, state or national legislations.
DISPOSAL OF PACKAGE : Disposal should be done after package is empty.

14. TRANSPORT INFORMATION

ADR / RID : Not regulated
IMDG : Not regulated
IATA : Not regulated
SPECIFIC MEASURE : Be careful for falling or damage in loading.
 : Avoid contact with water.
 : Avoid shipment with strong odoriferous things.

15. REGULATORY INFORMATION

SAFETY DATA SHEETS : D.91/155/EEC amended by D.93/112/EEC (Dangerous substance and preparations)
DANGEROUS PREPARATIONS : D.88/379/EEC amended by D.93/18/EEC (3rd ATP)
 Not classified as dangerous.
INVENTORIES : TSCA(USA) : Conforms
 : EINECS(EU): Conforms
 : ENCS(JPN) : Conforms

16. OTHER INFORMATION

DATE PREPARED

: April 24, 2015

REFERENCE

1) Data of contracted laboratory

With regard to Regulatory, it is the user's responsibility to investigate if the product complies with their country or region's laws or regulations.

The information relates to this specific product. It will not be valid if the product is used with any other products or in any process.

It is user's responsibility to determine the suitability and completeness of this information for user's particular purpose such as user's commodity and/or usage shown below:

- 1) Where AQUA KEEP contacts with food directly.
- 2) Where AQUA KEEP contacts with food via the water absorbed in AQUA KEEP.
- 3) Where AQUA KEEP causes ingestion and contacts with eye directly.
- 4) Where AQUA KEEP causes accidental ingestion.