SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME
AQUA KEEP BA40B

RECOMMENDED USE
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
Telephone number
+81-6-6220-8532
Telefax number
+81-6-6220-8578

EMERGENCY TELEPHONE
800-424-9300 (CHEMTREC, USA)

NAME OF SUPPLIER
SUMITOMO SEIKA CHEMICALS CO., LTD.
Super Absorbent Polymers Division
ADDRESS OF SUPPLIER
The Sumitomo Building 4-5-33 Kitahama, Chuo-ku, Osaka, 541-0041, Japan
TELEPHONE NUMBER
+81-6-6220-8532
TELEFAX NUMBER
+81-6-6220-8578
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

HAZARD CLASS CATEGORIZATION
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.
Product becomes slippery when it absorbs water.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL/MIXTURE
MIXTURE

CHEMICAL NAME
Acrylic Acid Polymer Sodium Salt, Additives

CHEMICAL FORMULA
(\(\text{C}_2\text{H}_4\text{O}_2\text{Na}\))\(_m\) (\(\text{C}_2\text{H}_2\text{O}_2\))\(_n\)

<table>
<thead>
<tr>
<th>CHEMICAL NATURE</th>
<th>FORMULA</th>
<th>CAS No.</th>
<th>CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic Acid Polymer Sodium Salt</td>
<td>—</td>
<td>9003-04-7</td>
<td>≥ 90%</td>
</tr>
<tr>
<td>Water</td>
<td>H(_2)O</td>
<td>—</td>
<td>≤ 10%</td>
</tr>
</tbody>
</table>
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接触 lenses if present and easy to do.

INDICATION: Choking, nausea, and stomachache.

ADVICE FOR FIRST-AID PERSON: Wear effective dust mask.

ADVICE FOR DOCTOR: Let the victim rest.

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).

SPECIFIC EQUIPMENT FOR FIREFIGHTERS: Wear protective clothing, safety goggles and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with skin and eyes.
ENVIRONMENTAL PRECAUTIONS: Product becomes slippery when it absorbs water.
METHODS FOR CLEANING RECOVERY: Collect product by mechanical means.
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 formation.

PREVENTION OF EXPOSURE: Wear suitable chemical resistant gloves, safety goggles, dust mask and other clothing.

PREVENTION OF FIRE AND EXPLOSION: Keep away from heat, sparks, flame and all other ignition sources.
VENTILATION NOTICE: Local and general ventilation and cleaning after dust formation.

Do not handle roughly, such as dropping, shocking, and dragging etc.

Product becomes slippery when it absorbs water.

STORAGE TECHNICAL ADVICE

STORAGE CONDITION: Avoid humidity, especially direct contact with water.

: 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 μm)

: Not listed (OSHA, 2004)

: Not listed (ACGIH, 2005)

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

PERSONAL PROTECTIVE EQUIPMENT

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

COLOUR: White

ODOR: Odorless

BULK DENSITY: 0.30 to 0.50 g/ml

pH: 6 to 8

SOLUBILITY 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

DUST LOWER EXPLOSION LIMIT: No data

VAPOR DENSITY: No data

RELATIVE DENSITY: No data

PARTITION COEFFICIENT: No data

AUTO IGNITION TEMPERATURE: No data

DECOMPOSITION TEMPERATURE: No data

VISCOITY: No data

FLAMMABLE DUST: No available data

ELECTRICAL RESISTIVITY: No data

PHYROPHORIC GAS: Non applicable

SIMPLE ASPHYXIANT: 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**

**CONDITIONS TO AVOID**: Products become slippery when it absorb the water. Keep away from heat and sources of ignition. Store protected from moisture.

**MATERIAL TO AVOID**: None

**INCOMPATIBLE MATERIALS**: None

**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 IRRITATION: None (Dog)
- SKIN CONTACT SENSITISATION: Not sensitizing (Guinea Pig)

**CARCINOGENICITY**: No data

**TOXIC TO REPRODUCTION**: No data

**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)**: No data

**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)**: No data

**ASPIRATION TOXICITY**: No data

**SYMPTOMS OF EXPOSURE**: Dust may cause eye, nasal, or bronchial irritation.

12. ECOLOGICAL INFORMATION 1)

**ACUTE TOXICITY - AQUATIC INVERTEBRATES**: EC50 48hours > 100mg/L, Daphnia magna

**PERSISTENCE / DEGRADABILITY**: Not biodegradable

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 of 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)


**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.