

## SAFETY DATA SHEET

### 1. PRODUCT & COMPANY IDENTIFICATION

**RECOMMENDED USE** 0SH-PF  
Water repellent tape for power and optical cables. Water-swelling rubber.  
Pads for absorbing water.

**CONTACT** United Nuclear Scientific  
Address 125 N. 8th Street, Klamath Falls, OR 97601  
Telephone number 541-205-6855

**EMERGENCY TELEPHONE** 800-255-3924 VelocityEHS (USA)

### 2. HAZARDS IDENTIFICATION

**THE MOST IMPORTANT PHYSICAL AND CHEMICAL HAZARDS AND EFFECTS**

At high temperature: Thermal decomposition can give toxic products.  
(CO, CO<sub>2</sub>)  
In the presence of an ignition source:  
Dusts can form explosive mixture with air.

#### GHS Classification

##### HAZARD CLASS

SELF-REACTIVE SUBSTANCES AND MIXTURES  
PYROPHORIC SOLIDS  
SELF-HEATING SUBSTANCES AND MIXTURES  
SUBSTANCES AND MIXTURES WHICH, IN CONTACT  
WITH WATER, EMIT FLAMMABLE GASES  
OXIDIZING SOLIDS  
ORGANIC PEROXIDES  
ACUTE TOXICITY – SKIN  
ACUTE TOXICITY – ORAL  
SKIN CORROSION/IRRITATION  
EYE DAMAGE/IRRITATION  
SENSITIZATION – RESPIRATORY AND SKIN  
OTHER HAZARD CLASSES

##### CATEGORY

Not classified  
Not classified  
Not classified  
Not classified  
Not classified  
Not classified  
Not classified  
Not classified  
Not classified  
Not classified  
Not classified  
“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**  
$$\begin{array}{c} \text{(CH}_2\text{-CH)}_m\text{-(CH}_2\text{-CH)}_n \\ | \qquad \qquad \qquad | \\ \text{COOH} \qquad \qquad \text{COONa} \end{array}$$

CHEMICAL NATURE	FORMULA	CAS No.	CONCENTRATION
Acrylic Acid Polymer Sodium Salt	—	9003-04-7	≥ 90%
Water	H <sub>2</sub> 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 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.

##### PERSON

: Remove as much as possible, because it is hard to treat when it has absorbed water.

##### ADVICE FOR DOCTOR

: Let the victim rest.

##### MOST IMPORTANT

: See Section 2.

##### SYMPTOMS

##### IMMEDIATE MEDICAL

##### ATTENTION REQUIRED

: Immediately call a POISON CENTER or doctor/physician.

#### 5. FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

: Water, dry powder, carbon dioxide (CO<sub>2</sub>), 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 direction 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 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

: Product becomes 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 eyes 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 formation.

: 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.

<b>VENTILATION</b>	: Local and general ventilation and cleaning after dust formation.
<b>NOTICE</b>	: Do not handle roughly, such as dropping, shocking, and dragging etc.
	: Product becomes slippery when it absorbs water.
<b>STORAGE</b>	
<b>TECHNICAL ADVICE</b>	: Avoid humidity, especially direct contact with water.
<b>STORAGE CONDITION</b>	: 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.
<b>RECOMMENDED PACKAGING</b>	: The material must be kept in watertight packaging.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

<b>PROTECTIVE PROVISIONS</b>	: Ensure sufficient air exchange and / or exhaust in work areas. (Do not permanently recycle dust-laden air)
<b>CONTROL PARAMETERS</b>	
<b>EXPOSURE LIMIT</b>	: 0.05mg/m <sup>3</sup> (MAK, 2005) (respirable dust : particle size <10 μ m) : Not listed (OSHA, 2004) : Not listed (ACGIH, 2005)
<b>TECHNICAL ADVICE</b>	: Dust collector should be installed to improve the working environment.
<b>PERSONAL PROTECTIVE EQUIPEMENT</b>	
<b>RESPIRATORY</b>	: Effective dust mask
<b>HAND</b>	: Gloves
<b>EYE</b>	: Safety glasses / goggles
<b>SKIN AND BODY</b>	: Non-skid boots
<b>SPECIFIC HYGIENE MEASURES</b>	: Avoid contact with skin and eyes. Prohibit inhalation of dust.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

**10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)**

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

**11. TOXICOLOGICAL INFORMATION <sup>1)</sup>**

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

**12. ECOLOGICAL INFORMATION<sup>1)</sup>**

<b>Acute Toxicity - Aquatic Invertebrates</b>	: EC50 48 hours > 100 mg/l Daphnia magna
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**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION**

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

**15. REGULATORY INFORMATION**

<b>SAFETY DATA SHEETS</b>	: D.91/155/EEC amended by D.93/112/EEC (Dangerous substance and preparations)
<b>DANGEROUS PREPARATIONS</b>	: D.88/379/EEC amended by D.93/18/EEC (3 <sup>rd</sup> ATP) Not classified as dangerous.
<b>INVENTORIES</b>	: 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 it contacts with food directly.
- 2) Where it contacts with food via the water absorbed in AQUA KEEP.
- 3) Where it causes ingestion and contacts with eye directly.
- 4) Where it causes accidental ingestion.