

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - Product and Company Information

Product name: ROS1 Split FISH Probe  
Company: Abnova (Taiwan) Corporation  
Address: No. 326-8, Sec. 4, Zhongzheng Rd. Zhongli Dist., Taoyuan City 320  
Taiwan.  
Telephone: +886-3-4989228  
Fax: +886-3-4989665, +886-3-4989695

### SECTION 2 - Hazards Identification

Importance and danger      The vigorous stimulation is shown in eyes, and there  
are harmful                      is danger that causes serious damage.  
Important symptom              Serious damage/stimulation to eyes

### SECTION 3 - Composition/Information on Ingredient

Element name	Chemical characteristic	CAS number	Content
Dextran Sulfate	$(C_6H_7Na_3O_{14}S_3)_n$	9011-18-1	5–30%
Closed	Closed	Closed	70–95%

### SECTION 4 - First aid measures

When inhaling: Receive the evaluation by a doctor when fresh air is supplied, and the symptom is seen.

When adhering to the skin: Wash in water.

When catching one's eye: Rinse under the stream while opened one's eyes for several minutes, and receive the evaluation by a doctor.

When swallowing: Receive the evaluation by a doctor when the symptom continues.

The most important symptom: Information none

## SECTION 5 - Firefighting measures

Extinguishing media: Carbon dioxide, the powdery extinction medicine or the injection water is used.

Extinguishing media that do not use it: Information none

Peculiar extinction method: The fire foam for the injection water or the water solubility liquid is used for a fire with a large scale.

Protection of the person who extinguishes fire: When the amount of the element that began to leak doesn't exceed the exposure limit, the breath protection tool is usually unnecessary.

## SECTION 6 - Accidental release measures

Notes of human body: Refer to item 8..

Protective equipment and emergency measure

Notes of environment: Do not infiltrate it to the drainpipe, the soil or the rhizic water.

Collection and neutralizing: Absorb it with the liquid absorbers such as sand, the diatom, the acid joint material, and a general absorption material and sawdust. Use the neutralizer.

According to item 13 of method of abandoning polluted material Confirm ventilation is enough.

## SECTION 7 - Handling and storage

### Handling

Technical measures: Prepare the respirator.

Local ventilation and general ventilation: Information none.

Notes: Information none.

Safety treatment notes: The special attention is unnecessary when correctly used.

### Storage

Refer to the packaging insertion or the product label for the additional information on keeping.

Appropriate keeping condition: Avoid heat and direct sunshine.

Safe container wrapping material: Information none.

## SECTION 8 - Exposure Controls/Personal Protection

Equipment measures: Information none

Management density: It is not set.

Allowable concentration:

Dangerous, harmful element	ACGIH (2008 versions)
Dextran Sulfate	without relevance

### Protective equipment

Protective equipment of respiratory organ	It is indoors of the ventilation well unnecessary. Take an appropriate preventive action when the density of the chemical exceeds the exposure limit.
Protective equipment of hand	Wear impermeable gloves.
Protective eyewear	Wear the sticking type safety glasses etc.
Protective equipment of skin and body	It is preferable to wear an experiment clothes or other appropriate protection clothes.
Appropriate sanitary requirement	Neither food nor the drink are brought close, and, and, it doesn't eat and drink. Undress polluted clothes at once. Wash your hand at before break time and the end of work.

## SECTION 9 - Physical and chemical properties

Shape:	liquid
Color:	colorlessness or white
Smell:	scentless
pH:	Information none
Melting point/freezing point:	Information non
Boiling point, initial boiling point, and range of boil:	Information non
Flash point inflammability:	None
Autogenous ignition temperature (fire point) :	None
Upper bound/lower bound in combustion or range of explosion:	Explosion hazard none
Vapor pressure:	Information non
Steam density:	Information non

Specific gravity (relative density):	Information non
Dissolubility:	To water: The miscibility is not or is low.
N-octanol-water partition coefficient	Information non
Decomposition temperature:	Information non

## SECTION 10 - Stability and reactivity

Stability: If it is usual use, it doesn't resolve it.

Dangerous, harmful, reactive possibility: A dangerous, harmful reaction is not reported.

Condition that should be avoided: Additionally sunlight, heat, a spark and static electricity are fired, source

Dangerous, harmful resolution product: A dangerous, harmful resolution product is not reported.

The degradation product harmful dangerously: Carbon monoxide and nitrogen compound

## SECTION 11 - Toxicological information

As a product

Acute toxicity: Information none

Skin corrosivity/stimulation: None stimulation

## SECTION 12 - Ecological information

Do not infiltrate the product that has not been diluted or the product that doesn't neutralize to drainage or the drainage trench.

## SECTION - 13 Disposal Considerations

This product does the consignment processing to the waste management trader who obtains permission.

## SECTION 14 - Transport information

Overland transportation (ADR/RID): As a mixture, the substance is subject to no limitations.

Transatlantic transportation (IMDG): As a mixture, the substance is subject to no limitations.

Air transportation (ICAO/IATA): As a mixture, the substance is subject to no limitations.

**SECTION 15 - Regulatory information**

Observe the general safety regulations when handling chemicals. No single component contains a hazardous ingredient in an amount that requires identification and labelling.

**SECTION 16 - Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Abnova shall not be held liable for any damage resulting from handling or from contact with the above product.