

Document Name	Probe Cleanser Material Safety Data Sheet	Document ID	301-002-MSD-001	Version	02
Organization	 zybio	Security Level	Confidential	Page	1 of 8

# Probe Cleanser

## Material Safety Data Sheet

	Roles	Name	Signature and Date
Created by	R & D Engineer	RD1506	2024.11.11
Reviewed by	Technical Manager	RD249	2024.11.11
Approved by	RA Engineer	Qin Dan	2024.11.11

Document Name	Probe Cleanser Material Safety Data Sheet	Document ID	301-002-MSD-001	Version	02
Organization	 zybio	Security Level	Confidential	Page	2 of 8

Revision History			
Version	Revision Record	Revised by	Date
01	First edition	RD1064	2021.12.03
02	Change legal manufacturer site	RD1506	2024.11.11

Document Name	Probe Cleanser Material Safety Data Sheet	Document ID	301-002-MSD-001	Version	02
Organization	 zybio	Security Level	Confidential	Page	3 of 8

# Probe Cleanser

## Material Safety Data Sheet

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Identification on the label/Trade name	Probe Cleanser
Additional identification	Not available
Identification of the product	See section 3
Index number	Not available
Product code	Not available
REACH registration No.	Not available

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	It is used for cleaning the system detection pool and pipeline
Uses advised against:	Not available

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier	Zybio Inc.
Address	No. 45, Shilin Avenue, Tiaodeng Town, Dadukou District, 400082 Chongqing, PEOPLE'S REPUBLIC OF CHINA
Telephone	+86(0)23 6895 9999
Contact person (E-mail)	info@zybio.com

#### 1.4 Emergency telephone number

In case of a chemical emergency, spill, fire, or exposure, call Zybio Inc. at +86(0)23 6865 5509 first.

Available outside office hours? (Mon-Fri; 08:30-18:00 Beijing Time)	No
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Remark \*This sample is classified as medical device and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006 .This SDS is generated for client's reference only.

SECTION 2: Hazards identification	
2.1 Classification of the substance or mixture	
Classification according to Regulation (EC) No 1272/2008 as amended.	
Hazard classes/ Hazard categories	Hazard codes
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Aquatic Chronic 4	H413
2.2 Label elements	
Label according to Regulation (EC) No. 1272/2008 as amended.	

Document Name	Probe Cleanser Material Safety Data Sheet	Document ID	301-002-MSD-001	Version	02
Organization	 zybio	Security Level	Confidential	Page	4 of 8

Hazard pictograms		GHS07
Signal word	Warning	
Hazard statements		
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H413	May cause long lasting harmful effect to aquatic life	
Precautionary statements		
Prevention		
P264	Wash ... thoroughly after handling	
P280	Wear protective gloves/ protective clothing/eye protection/face protection	
P273	Avoid release to the environment.	
Response		
P302 + P352	IF ON SKIN: Wash with plenty of water/...	
P321	Specific treatment (see ... on this label).	
P332 + P313	If skin irritation occurs: Get medical advice/attention	
P362 + P364	Take off contaminated clothing and wash it before reuse.	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P337 + P313	If eye irritation persists: Get medical advice/attention.	
Storage		
None.	/	
Disposal		
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Supplemental label information	None.	
2.3 Other hazards		
Result of CMR, PBT and vPvB assessment		
CMR	Not applicable	
PBT	Not applicable	
vPvB	Not applicable	

SECTION 3: Composition/information on ingredients			
Chemical name	CAS-No./EC No.	Concentration	Classification
Sodium hypochlorite	7681-52-9/231-668-3	> 5.0%	Aquatic Acute. 1:H400 Skin Corr. 1B:H314 Eye Dam. 1:H318 Aquatic Chronic 1:H410
Purified water	NA	< 95.0%	Not Classified

Document Name	Probe Cleanser Material Safety Data Sheet	Document ID	301-002-MSD-001	Version	02
Organization	 zybio	Security Level	Confidential	Page	5 of 8

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

Inhalation	Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.
Skin contact	Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.
Eye contact	Rinse with pure water for several minutes. Consult a doctor.
Ingestion	Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.
4.2 Most important symptoms and effects, both acute and delayed	No future relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed	No future relevant information available.

#### SECTION 5: Firefighting measures

5.1 Suitable Extinguishing Media	Use fire extinguishing methods suitable to surrounding conditions.
5.2 Specific Hazards Arising from the Chemical	No future relevant information available.
5.3 Special protective actions for fire-fighters	No future relevant information available.

#### SECTION 6: Accidental release measures

6.1 Personal Precautions	Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
6.2 Environmental precautions	Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.
6.3 Methods and material for containment and cleaning up	Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

#### SECTION 7: Handling and storage

7.1 Precautions for safe handling	Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes.
7.2 Conditions for safe storage, including any incompatibilities	Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.
7.3 Specific end use(s)	No future relevant information available.

Document Name	Probe Cleanser Material Safety Data Sheet	Document ID	301-002-MSD-001	Version	02
Organization	 zybio	Security Level	Confidential	Page	6 of 8

#### SECTION 8: Exposure controls/personal protection

##### 8.1 Control parameters

Occupational Exposure limit values	Not available.
Biological limit values	Not available.

##### 8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

##### 8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection	Goggles recommended.
Skin protection	Wear impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands.
Respiratory protection	If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.
Thermal hazards	Not available.

#### SECTION 9: Physical and chemical properties

##### 9.1 Information on basic physical and chemical properties

Physical State	Liquid.
Appearance	Clear.
Odor	Not available
Odor Threshold	Not available.
pH	12.50±0.50
Melting Point/Range	Not available.
Boiling Point/Range	Not available.
Flash Point	Not available.
Evaporation Rate	Not available.
Flammability (solid, gas)	Not available.
Flammability or explosive limits	Not available.
Vapor Pressure	Not available.
Vapor Density	Not available.
Specific Gravity	Not available.
Solubility	Not available.
Partition coefficient; n-octanol/water	Not available.
Autoignition Temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
9.2 Other information	Not available.

#### SECTION 10: Stability and reactivity

Reactivity	Stable under normal conditions
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Document Name	Probe Cleanser Material Safety Data Sheet	Document ID	301-002-MSD-001	Version	02
Organization	 zybio	Security Level	Confidential	Page	7 of 8

Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No special reactivity has been reported
Conditions to avoid	Do not freeze.
Incompatible materials	Not available.
Hazardous decomposition products	Not available.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity	Not classified
Skin irritation	Causes skin irritation
Serious eye irritation	Causes serious eye irritation
Aquatic chronic	May cause long lasting harmful effect to aquatic life
Respiratory sensitization	Not classified
Skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity - single exposure	Not classified
Specific target organ toxicity - repeated exposure	Not classified
Aspiration hazard	Not classified
11.2 Other information	Not classified

SECTION 12: Ecological information	
12.1 Toxicity	
Aquatic toxicity	May cause long lasting harmful effects to aquatic life.
12.2 Persistence and degradability:	Not available.
12.3 Bioaccumulative potential:	Not available.
12.4 Mobility in soil	Not available.
12.5 Results of PBT and vPvB assessment	Not available.
12.6 Other adverse effects	Not available.

SECTION 13: Disposal considerations	
Disposal methods	The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

SECTION 14: Transport information	

Document Name	Probe Cleanser Material Safety Data Sheet	Document ID	301-002-MSD-001	Version	02
Organization	 zybio	Security Level	Confidential	Page	8 of 8

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN-proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2

SECTION 15: Regulatory information	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:	
Relevant information regarding authorization:	Not applicable
Relevant information regarding restriction:	Not applicable
Other EU regulations:	Employment restrictions concerning young person must be observed for use only by technically qualified individuals.
Other National regulations;	Not applicable
15.2 Chemical Safety Assessment has been carried out?	
No	

SECTION 16: Other information	
16.1 Indication of changes	
Not applicable	
16.2 Training instructions	
Not applicable	
16.3 Further instructions	
This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.	
16.3 Further instructions	
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.	
Relevant hazard statements	
H315-Causes skin irritation	
H319-Causes serious eye irritation	
H413-May cause long lasting harmful effect to aquatic life	
The content and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008.	