



BACTERICIDE PK

MATERIAL SAFETY DATA SHEET

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1. PRODUCT AND MANUFACTURER IDENTIFICATION

Trade Name: **BACTERICIDE PK**
Product Family: Bactericide
Product Description: Is an aqueous solution of aldehyde-type product
Application: Effective in controlling the growth of aerobic and anaerobic bacterium for Drilling Fluids Systems

Manufacturer / Supplier: THUAN PHONG Co., Ltd.
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2. COMPOSITION INFORMATION

<u>Component</u>	<u>CAS No.</u>	<u>Content</u> (% by weight)
Petanedial		20
Glutaric Dialdehyde		5
Methyl Alcohol	67-56-1	15
Additives		10
Waters	7731-18-5	50

Total 100%

3. HAZARDS IDENTIFICATION

Hazardous in case of eye contact (irritant), of ingestion. Hazardous in case of eye contact (irritant, sensitiser, permeator), of eye contact (corrosive). Slightly hazardous in case of skin contact (corrosive). Inflammation of the eye is characterised by redness, watering and itching.

4. FIRST-AID MEASURES

EYE CONTACT

Promptly wash opened eye for at least 15 minutes under running water. Keep eyelids open. Get medical attention promptly if symptoms occur after washing.

SKIN CONTACT

Wash immediately with water and soap. Get medical attention promptly if symptoms occur after washing.

INHALATION

Remove victim immediately from source of exposure. Supply fresh air. Get medical attention.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Water spray, CO₂, foam, extinguishing powder, sand etc.

SPECIAL FIRE FIGHTING PROCEDURES

Use supplied air respirator if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out.

HAZARDOUS COMBUSTION PRODUCTS
Carbon monoxide (CO), Carbon dioxide (CO₂)
PROTECTIVE MEASURES IN FIRE
Full protective equipment including suitable respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Evacuate people on the leeward.
Keep people away from the area.
Remove sources of ignition.
Wear proper protective equipment when in work.
Work from the windward side.
Put in an empty container for recovery after preventing spill by sand or sandbags, if the amount of spill is large.
Put in an empty container for recovery after wiping or soaking up in an inert material, if the amount of spill is small.

7. HANDLING AND STORAGE

HANDLING

Keep away from heat. Avoid contact with skin and eyes. Wear eye and hand protection when in handling.

Keep away from incompatibles such as oxidizing agents, acids, alkalis

STORAGE

Store in a dark, cool place indoors with small temperature changes, with container tightly closed.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety shower are proximal to the work-station location.

PERSONAL PROTECTION

Safety glasses. Lab coat. Vapour respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light Yellow Liquid
Specific gravity (H ₂ O=1)	1.03 – 1.05
Solubility in water	Dispersible
pH	< 7.0

10. STABILITY AND REACTIVITY

STABILITY

The product is stable

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide (CO), Carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

INGESTION

Harmful if swallowed. May cause severe irritation of the digestive tract with burning sensation in the chest, abdominal pain, cramping, vomiting, diarrhea (perhaps bloody diarrhea), vascular collapse, and coma. May also affect liver.

INHALATION

Although there is no clear evidence, prolonged or repeated exposure may induce allergic asthma.

SKIN CONTACT

Corrosive. Liquid may irritate skin in contact with skin. May cause staining of the skin and nails to a brown or golden brown colour.

EYE CONTACT

Corrosive. Causes severe eye irritations.

12. ECOLOGICAL INFORMATION

Harmful to aquatic organisms, may cause long-term adverse effects in the environment.

13. DISPOSAL CONSIDERATIONS

WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION

Class 3: Flammable liquid

Class 6.1: Poisonous material

Class 8: Corrosive material

SPECIAL PROVISIONS FOR TRANSPORT

Not available

15. REGULATORY INFORMATION

No specific information.

16. OTHER/ADDITIONAL INFORMATIONS

THIS MATERIAL IS DEVELOPED AND MANUFACTURED FOR INDUSTRIAL APPLICATION ONLY.

THE INFORMATION HEREIN IS MADE BASED ON REFERENCES, INFORMATION AND DATA AVAILABLE AT PRESENT. IT MAY BE REVISED NEW INFORMATION IS AVAILABLE. THE DESCRIPTIONS HEREIN ARE FOR NORMAL HANDLING. FOR SPECIAL APPLICATIONS, MAKE SAFETY PROVISIONS SUITABLE TO THEM PRIOR TO USE.