



Material Safety Data Sheet AKD EMULSION

Section 1 - Chemical Product and Company Identification

MSDS Name: AKD EMULSION

Product Name: AKD EMULSION

Company Identification:

HENAN TIANKAI NEW MATERIAL CO.,LTD

Mengdian Industrial Avenue,Huixian 453600,Henan province,China

Tel: 0086 373 6899808

Fax: 0086 373 6899808

Section 2 - Composition, Information on Ingredients

Ingredient	Concentration	CAS NO.	EC NO.
Water	80%	7732-18-5	231-791-2
Hexadecyl ketene dimer	14.76%	/	/
Casava starch	3.73%	9005-25-8	232-679-6
3-Chloro-2-hydroxypropyltrimethyl ammonium chloride	1.51%	3327-22-8	222-048-3

Section 3 - Hazards Identification

Hazards Identification

According to GHS

Physical hazards: not classified

Health hazards: not classified

Environmental hazards: not classified

Emergency Overview

Suspected of causing cancer

Section 4 - First Aid Measures

Skin contact

Take off the polluted clothes,use large quantity of clean water to flush the contacted parts,if skin inflamed,call a physician immediately.

Eye contact

Flush eyes immediately with plenty of clean water for at least 15 minutes,if eye irritation persists,consult a doctor for treatment.

Ingestion

Drink a lot of water or salted water to vomit,consult a doctor for treatment if necessary.



Section 5 - Fire Fighting Measures

Extinguishing media suitable for water spray, dry chemical, carbon dioxide or appropriate foam

Unsuitable extinguishing media None known

Special protective equipment In the event of fire, wear self-contained breathing apparatus

Special exposure hazards None known

Section 6 - Accidental Release Measures

Environmental cleanup procedures: Collect the spilled liquid material as much as possible into a clean container for (preferable)reuse or disposal

Personal precautions Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation

Section 7 - Handling and Storage

Handling wear appropriate protective clothing and safety gloves. Avoid inhalation. Avoid contact with eyes,skin and clothing. Mechanical exhaust required. Keep away from ignition sources,heat and flame. Incompatibilities:strong oxidizing agents . no smoking at working site

Storage Keep in a cool,dry and well-ventilated area, keep away from ignition sources,heat and flame. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Respiratory protection Normally no personal respiratory protective equipment is required.

Hand protection Rubber or PVC gloves



HENAN TIANKAI NEW MATERIAL CO.,LTD.

Skin protection	Use of protective overalls and long sleeves is recommended. Wash contaminated clothing before reuse.
Eye protection	Wear as appropriate safety glasses with side-shields; goggles, face-shield, eye wash fountain is recommended.
Occupational exposure limits	None known

Section 9 - Physical and Chemical Properties

Appearance: white liquid

Effective solid content: 20±1%

PH: 3.3(25 °C,50.0 g/L)

Odor: weak odor

Flash point:>96.0 °C

Solubility: Miscible in water

Density :1.013x10³ kg/m³

Viscosity:11.37mm²/s

Section 10 - Stability and Reactivity

Hazardous decomposition	None known
Conditions to avoid	None known
Material to avoid	None known
Hazardous reactions	None known

Section 11 - Toxicological Information

Acute toxicity 2-propenamide, homopolymer

Rat Oral LD₅₀:>1g/kg

Health effects

Inhalation Steam may not cause some irritation to the mucous membranes of the mouth, throat and respiratory tract

Ingestion Not an anticipated route of exposure under normal conditions of use.



Skin contact Not irritant

Eye contact Not irritant

Carcinogenicity/mutagenicity No data available for this product & Long term effects

Reproductive/developmental effects No data available for this product

Subacute , subchronic, chronic effects No data available for this product

Section 12 - Ecological Information

Aquatic toxicity No data available for this product

Other Adverse Effects None known

Section 13 - Disposal Considerations

Product disposal In accordance with local and national regulations.

Packaging As for product.

Section 14 - Transport Information

Transportation summary Not classified as dangerous goods in the meaning of transport regulations.

Section 15 - Regulatory Information

International Regulations The product does not need to be labelled in accordance with EC directives or respective national laws.

Use Only for industrial use.

IATA: Non-hazardous for Air transport

IMO: Non-hazardous for Air transport



Section 16- Additional Information

No R-phrases in section 2

Explanation: The information provided in this material safety data sheet relates only to this specific product and may not be valid for the product if used with other material in any process. The information is, at the time of publication, to the best of the Company's knowledge and belief, accurate and reliable. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself to the suitability for his own purpose.