



HENAN TIANKAI NEW MATERIAL CO.,LTD.

Material Safety Data Sheet AKD SURFACE SIZING AGENT

Section 1 - Chemical Product and Company Identification

MSDS Name: AKD Surface sizing agent

Product Name: AKD Surface sizing agent

Company Identification:

HENAN TIANKAI NEW MATERIAL CO.,LTD

Mengdian Industrial Avenue,Huixian 453600,Henan province,China

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Section 2 - Composition, Information on Ingredients

Ingredient	Concentration	CAS NO.	EC NO.
Hexadecyl ketene dimer	20.35%		
Casava starch	4.73%	9005-25-8	232-679-6
3-chloro-2-hydroxypropyltrimethyl ammonium chloride	1.51%	3327-22-8	222-048-3
Water	73%	7732-18-5	231-791-2

Section 3 - Hazards Identification

Hazards Identification

According to GHS

Physical hazards: not classified

Health hazards: not classified

Environmental hazards: not classified

Emergency Overview

To the best of our knowledge,information and data ,we have not yet known the health and environmental hazards

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 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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 See section 8

Section 7 - Handling and Storage

Handling As with all other chemicals, good industrial hygiene practices should be followed when handling this material

Storage Keep at temperatures between 5~35°C, avoid direct sunshine or frost.

Material to avoid No information available

Section 8 - Exposure Controls, Personal Protection

Respiratory protection Normally no personal respiratory protective equipment is required.

Hand protection Rubber or PVC gloves

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

Section 10 - Stability and Reactivity

Stability **stable under normal temperature and pressure**

Material to avoid strong oxidizing agents

Hazardous Polymerization will not occur

Hazardous decomposition products carbon oxides,nitrogen oxides(NO_x),Hydrogen chloride gas

Section 11 - Toxicological Information

Acute toxicity no data

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 suspected of causing cancer



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.