

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Product Name	Alkyl Ketene Dimer		
Alias	AKD Wax		
CAS No.	144245-85-2	HS code	3809920000
Company	Shandong Tiancheng Chemical Co., Ltd.		
Address	No. 66 West of Beizhan Rd, Yanzhou, Shandong, China	Zip code	272117
Telephone	0537-7927788	Fax	0537-3414528
Mail	zhuyanhong@yztchg.com		

Section 2: Composition/Information on Ingredient

Ingredient	This product is defined as a intermediate additive by 99/45/EC Alkyl Ketene Dimer (not hazardous ingredient)
------------	---

Section 3: Hazards Identification

Classification	Not classified as dangerous for health or as dangerous to the environment.
Health effect	Dust inhalation may irritate the mucous membranes of the mouth and throat.
Environmental hazards:	See Section 12

Section 4: First Aid Measures

Skin exposure:	Wash with water and soap as a precaution. If skin irritation persists, call a physician
Eye contact:	Flush eyes immediately with plenty of water, if eye irritation persists, consult a specialist.
Inhalation:	Move to fresh air
Ingestion	Rinse mouth, drink water as a precaution, consults a doctor if necessary.

Section 5: Fire Fighting Measures

Extinguishing media	For small fires, use dry chemical, carbon dioxide, or water spray. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. Cool containers with flooding quantities of water until well after fire is out. 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	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.
Personal precautions	See section 8

Section 7: Handling and Storage

Handling	To prevent the generation of dust
Storage	Store in a cool, dry place, Keep at temperatures below 35 °C
Material to avoid	No information available

Section 8: Exposure Controls/Personal Protection

Respiratory protection	Not applicable under normal condition of use
Hand protection	Rubber/pvc gloves
Skin protection	Use of protective overalls and long sleeves is recommended. Wash contaminated clothing before reuse
Eye protection	Wear goggles with shields
Occupational exposure limits	None known

Section 9: Physical and Chemical Properties

Product Name	Alkyl Ketene Dimer		
Item	Description		
Appearance	Pale yellow flake wax		
Odour	Slight		
Acid value	≤5 mg/KOH/g		
Density/Bulk density	850kg/m3		
Melting/boiling point	1840	47.0 °C min	
	1865	50.0 °C min	
Flash point	Not applicable		
Thermal decomposition	> 200 °C		
Explosion limits upper/lower	Not applicable		
Oxidability	No oxidation		
Solubility	Insoluble in water; soluble in Fat-soluble (solvent - specific oil)		

Section 10: Stability and Reactivity

Reactivity	No date
Chemical stability	Under the specified operating and storage conditions are stable
Hazardous decomposition	Oxycarbide, Smoke
Conditions to avoid	High temperature
Material to avoid	None known

Section 11: Toxicological Information

Acute toxicity	LD50/Per os/rat>2.000 mg/kg LD50/Percutaneous/Rat2.000 mg/kg	
Irritation and corrosion	Skin	Long term skin contact may cause skin irritation, eczema
	Eye	Over and over again, or contact for a long time can make the eye inflammation
	Respiratory system	Dust may cause stimulus
Sensitization	Non-allergenic,	
Carcinogenicity/mutagenicity	No	

Section 12: Ecological Information

Aquatic toxicity	Fish:LC50(96hr, Danio rerio)>10.000mg/l
Biodegradability	Biodegradable
Bio-concentration	No
Other Adverse Effects	None known

Section 13: Disposal Measures

Product disposal	In accordance with local and national regulations.
------------------	--

Section 14: Packing and Transformation

Transportation summary	Not classified as dangerous in the meaning of transport regulations
Packaging	25kg/bag or 500kg/bag

Section 15: Regulatory Information

International Regulations	The product does not need to be labeled in accordance with EC directives or respective national laws
Use	Only for industrial use

Section 16: Other Information

This Material Safety Data Sheet was prepared to comply with the following EU Directives: 87/548/EEC;99/45/EC ;2001/58/EC	
--	--



Shandong Tiancheng Chemical Co., Ltd.

No.66 West of Beizhan Road, Yanzhou

Shandong, 272117 P.R. China

Paper chemicals dept.: +86-537-792-7788

Rubber & Plastic chemicals dept.: +86-537-792-7888

Tel&Fax: +86-537-341-4528

Email: zhuyanhong@yztchg.com

Website: www.yztchg.com