

Material Safety Data Sheet

KC-2224

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Version: 2.0

Revision Date: 2015/05/28

SECTION 1: IDENTIFICATION OF THE SUPPLIER AND SUBSTANCE

MANUFACTURER:	Shanghai King Chemical Co.,Ltd
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Technical Service:	+86-21-67817854
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Identifier used on label:	KC-2224
General description:	Styrene acrylic ester copolymer
Physical Form:	Liquid
Color:	White with blue luster
Odor:	Acrylic odor
CAS #:	Mixture

SECTION 2 : HAZARDS IDENTIFICATION

Classification of the product:	No need for classification for this product in accordance with General rule for classification and hazard communication of chemicals (GB13690-2009)
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SECTION 3 : COMPOSITION/ INFORMATION ON INGREDIENTS

This product is chemical mixture and does not contain any substances presenting a health or environmental hazard.

CHEMICAL NAME	CAS NUMBER	CONCENTRATION.%
Styrene acrylic copolymer	/	46-48%
H ₂ O	7732-18-5	51-53%
Polymer of methyloxirane and oxirane	9003-11-6	1.0-2.0%
5-Chloro-2-methyl-3(2H)-isothiazolone	26172-55-4	≤22.5ppm
mixt.with 2-methyl-3(2H)-isothiazolone	2682-20-4	≤7.5ppm

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SECTION 4 : FIRST-AID MEASURES

Inhalation:	Move the affected individual into fresh air and assist the person in breathing if necessary.
Skin contact:	Wash affected areas thoroughly with soap and water. If skin irritation persists, seek medical attention.
Eye contact:	Rinse with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.
Ingestion:	Flush mouth at once and then drink copious amounts of water, seek medical attention. Do not induce vomiting or give anything by mouth to an unconscious victim.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable media:	Use extinguishing media appropriate for surrounding fire
Special hazard arising during fire fighting:	When temperature is above 100°C/212°F, material will splatter and may burn after it is dried.
Advice for fire-fighters:	Wear self-contained breathing apparatus and protective
Dispose of fire debris:	Dispose of contaminated extinguishing water according to local regulations.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:	Personal protective equipment should be used. People should be kept away from or upwind of spill/leak. In addition, material may create slippery condition.
Environmental precautions:	Do not allow the spills and waste to reach sewage or effluent systems
For small amount:	pick up with suitable absorbent material (e.g. sand, soil)
For large amount:	Pump off product.
Methods for cleaning up:	Spill should be transfer to suitable container for recovery or disposal. Dispose of material in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

Handling :	Avoid contact with eyes. Skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapor, mist or gas.	Wash thoroughly after handling.
Storage temperature:	10°C-35°C	
Further information:	Store away from freezing as product stability may be affected. Please stir well before use.	
Other data:	Monomer vapors can be evolved when material is heated during processing operations and several types of ventilation are required (see section 8).	

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SECTION 8 . EXPOSURE CONTROLS/ PERSONAL PROTECTION

Eye protection:	Safety glasses with side-shields. Eye protection worn must be compatible with respiratory protection system employed.
Hand protection:	The gloves listed below may provided protection against permeation: Neoprene gloves (Gloves of other chemically resistant materials may not provide adequate protection).
Respiratory protection:	Use certified respiratory protection equipment, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.
Engineering measures:	Use only in area provided with appropriate exhaust ventilation.

SECTION 9 . PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid	Color:	White with blue luster
Odor:	Acrylic odor	PH:	7±1
Boiling point: (water)	100°C	Flash point:	Noncombustible
Lower explosion limit:	Not applicable	Upper explosion limit:	Not applicable
Vapor pressure: (water)	17mmHg 20°C	Relative vapor density:	<1.00 (water)
Water solubility:	Dilatable	Particle Diameter:	0.1-0.2µm
Viscosity, dynamic:	2000-8000cps	Evaporation rate:	< 1.00 (air=1)
Percent volatility:	52-54%	Latex style:	Anionic
MFFT:	30°C		
Relative density proportion:	Wet: 1.0-1.1 Dry: 1.1-1.2		

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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SECTION 10 : STABILITY AND REACTIVITY

Hazardous reactions:	No hazardous reactions if stored and handled as prescribed.
Materials to avoid:	There are no known materials that are incompatible with this product.
Polymerization:	Product will not undergo polymerization
Decomposer:	Acrylic monomer can produced by thermal decomposition

SECTION 11 : TOXICOLOGICAL INFORMATION

No data are available for this material. This information shown is based on profiles of compositionally similar materials.

Acute oral intoxication:	half lethal does (LD50)>5,000 mg/kg (rat)
Acute skin toxicity:	half lethal does (LD50)>5,000 mg/kg (rabbit)
Skin irritation:	may lead to short-term irritation (rabbit)
Eyes irritation:	nonirritating
Respiratory intoxication:	half lethal does (LD50)>21 mg/l (rat)

SECTION 12 : ECOLOGICAL INFORMATION

No data is available for this product.

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SECTION 13 : DISPOSAL CONSIDERATIONS

Environmental precautions: Keep spills and cleaning waste out of sewage, surface waters or effluent systems.

Disposal: Coagulate the emulsion by stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local federal regulations.

SECTION 14 : TRANSPORT INFORMATION

Road and Rail transport: Not regulated (not dangerous for transport)

Sea transport : Not regulated (not dangerous for transport)

Air transport: Not regulated (not dangerous for transport)

Notice: Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

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SECTION 15 : REGULATORY INFORMATION

General rule for classification and hazard communication of chemicals (GB 13690-2009)	Classification has been performed according to regulations.
General rules for precautionary label for industrial chemicals (GB 15258-2009)	Label has been performed according to regulation
Inventory of Existing Chemical Substances in China (IECSC)	All intentional components are listed on the inventory, are exempt, or are supplier certified.
Toxic Substances Control Act (TSCA)	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16: OTHER INFORMATION

Reference:	Safety data sheet for chemical products—Content and order of sections (GB 16483-2008)
Notice:	The information provided in this Safety Data Sheet in accordance with the best of our knowledge, information and belief at the date of its publication. The information given is designed only as 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.