



Material Safety Data Sheet

BIUQUAT[®] DA-162

1 Product identification

<u>Product name</u>	BIUQUAT[®] DA-162
<u>Manufacture</u>	Room 1138, 2th Building , LvdiHuichuang international square, NO.6, Kexing Road, Baiyun District, Guangzhou, GuangDong, China. Tel: 020-36261692 36261697 Fax: 020-36261697 Website: www.silat-group.com

2 Composition and ingredient information

<u>Chemical name</u>	Diallyl dimethyl ammonium chloride /Acrylic acid
<u>CAS</u>	53694-17-0

3 Possible hazard

<u>Symptoms of acute over-exposure</u>	None.
<u>Carcinogen</u>	None
<u>Hazards for the environment</u>	None
<u>Burning and explosion hazards</u>	None

4 First aid measures

<u>Skin contact</u>	Immediately wash with soap and water. Remove contaminated clothing. Get medical attention if symptoms occur.
<u>Eye contact</u>	Flush with plenty of water for at least 15 minutes and seek medical advice if necessary
<u>Inhalation</u>	No specific treatment is needed since material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.
<u>Ingestion</u>	Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person..
<u>Other first aid information</u>	Not Known

5 Fire fighting measures

<u>Extinguishing media</u>	Water, carbon dioxide, foam, dry powder.
<u>NFPA Rating</u>	Health 2, Flammability 1, Reactivity 0
<u>Special fire fighting procedure</u>	Not known
<u>Other recommendations</u>	Wear full protective clothing, including self-contained breathing equipment

6 Accidental release measures

<u>Personal precautions</u>	Use appropriate protective equipment
<u>Environmental precautions</u>	None
<u>Cleanup procedures</u>	Contain spill with sand or other inert materials

7 Handling and Storage

<u>Handling precautions</u>	Avoid eye and skin contact
<u>Storage precautions</u>	Avoid light and high temperature
<u>Other information</u>	Keep the product in a clean, cool and dark place.

8 Exposure controls and personal protection

<u>8.1 Exposure controls</u>	See 7.1
<u>8.2 Engineering control measures</u>	Use in well ventilated area
<u>8.3 Personal protective equipment</u>	
Respiratory protection	Use in well ventilated area
Hand protection	Gloves
Eye protection	Safety glasses
Skin protection	Wear protective clothing
Other	-

9 Physical and chemical properties

9.1 Appearance

Physical state	Viscous liquid
Color	Light yellow
Odor	Characteristic

9.2 Safety related information

PH sol 2%	1.4-3
Density 20 °C	ca.1.09 kg/m ³
Boiling point/boiling rang	Not determined
Flash point	Not determined
Melting point/melting range	Not determined
Solubility	Soluble in water

10 Stability and reactivity

<u>Chemical stability</u>	Stable under normal conditions of handling, use and transportation
<u>Hazardous polymerization</u>	Will not occur
<u>Hazardous decomposition products</u>	Carbon monoxide. Carbon dioxide. Oxides of nitrogen. Hydrogen chloride. Smoke
<u>Conditions to avoid</u>	None anticipated
<u>Material to avoid</u>	Strong oxidizing agents. Strong reducing agents

11 Toxicological information

<u>Acute Toxicity</u>	LD ₅₀ (oral, rat) > 5000mg/kg LD ₅₀ (skin, rat) > 10000mg/kg
<u>Sensitization</u>	Human RIPT : Dermal sensitization was not induces
<u>Mutagenic</u>	Non-mutagenic
<u>Skin irritation</u>	Moderately irritating to rabbit skin
<u>Eye irritation</u>	Moderately irritating to rabbit eye
<u>Other information</u>	Phototoxicity : non phototoxic irradiated and non irradiated Photoallergy : not induce contact dermal photoallergy

12 Environmental information

<u>Biodegradability</u>	Not determined
<u>Aquatic Toxicity</u>	Rainbow trout, 96 hr, LC50 : 23.81 mg/l(20%active product)

13 Disposal considerations

Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary bay location and the type of disposal selected

14 Transport information

Not classified as hazardous under transport regulations.

15 Regulatory information

<u>Supply classification and labeling</u>	No special packaging and labeling required
<u>National legislation</u>	For further information we recommend to consider the corresponding appropriate national legislation.

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