

## DQ 4001

### Typical and Physical Properties

Type	Gemini cationic surfactant
Application	Industry
Brand	SCC
Packaging	200Kg/Drum
Standard Instructions	Company Standard
Volatility	Stable under normal conditions
Solubility	Water soluble
pH Value	7 ± 1 (1% Aqueous Solution)
Appearance	White viscous liquid or paste (at low temperature will be in paste)
Specific Gravity	1.00
Ionicity	Cationic

### Key Features and Benefits

- Double cationic surfactant, double surface activity.
- Wide application  
It is suitable to oily system, also can be applied to aqueous system.
- Good Stability  
Good stability to acid, alkali and salt; high degree resistance to hard water.
- Compatibility  
Good compatibility to nonionic and cationic chemicals, but incompatible to anionic chemicals.
- Resistance to high degree temperature  
With quite high cloud point in aqueous system, it can keep very high surface activity when it is boiling.
- Bactericidal ability  
No cumulative toxicity, no strong irritation.
- Environmental protection  
Free from banned or restricted chemical substances required in Euro-American market.

### Potential Applications

- As mild bactericide, its irritation is far less than 1227. Applied to public hygiene disinfection such as swimming pool, sports gym etc. It can also be applied to cleaning for hotel laundry house, washing equipment and food industrial equipment.
- As Circulatory cooling water in industry for Powerhouse, Paper mill, water quality stabilizer for the well water injection system.
- As leveling agent, dye-retarding agent and polyester alkali dewighting promoter in the dyeing process of cationic dyes in textile dyeing and printing. Fungicide, bactericide, softening agent and antistatic agent for leather and textile.
- In agriculture industry, it can be used as disinfectant for the commercial crops like barn, livestock house and fungi house; and also as disinfectant for the utensils in these places.
- In ecological environmental protection, it can inhibit rapid propagation of aquatic algae in lakes and ponds to maintain the water stability
- As Effect Improver for ordinary cationic surfactant.

### Packaging

Plastic drum, 200 KG/ Drum

### Storage

Prevent from sunlight exposure and freeze, placed in a ventilated cool area.

### Shelf Life

12 months.

### Notes

Kindly please be sure to have bulk trials before production and determine the optimum formula. Any questions or suggestions please contact SCC customer service hotline: +86-400-9955331 or visit the company web site [www.thescc.net](http://www.thescc.net) to obtain information. The manual may be updated based on SCC technology; we shall inform you the latest updates timely.