

## U-CAT SA 1 catalyst CAS112-08-0 Sanyo Japan

U-CAT SA 1 is a compound with the formula  $C_{10}H_{17}NO_2$ . It is a white to white powder that is soluble in water and ethanol. U-CAT SA 1 is a cationic surfactant that can be used in a variety of applications, including:

Personal care products, such as shampoos, conditioners, and body washes

Household cleaners

Industrial cleaners

Paints and coatings

Textiles

paper

Food

U-CAT SA 1 is an extensively tested safe and effective surfactant. It is not a carcinogen, mutagen, or reproductive toxin. U-CAT SA 1 is also biodegradable.

### Physical and chemical properties

- CAS Number: 112-08-0
- Molecular Formula:  $C_{10}H_{17}NO_2$
- Molecular weight: 175.24 g/mol

- Appearance: White to white powder
- Solubility: Soluble in water and ethanol
- Specific gravity: 1.03g /cm<sup>3</sup>
- Melting point: 112-114°C
- Boiling point: 230-232°C
- Flash point: 150°C
- Spontaneous combustion temperature: 420°C
- Density: 0.92 g/cm<sup>3</sup>
- Refractive index: 1.472
- Partition coefficient (octanol/water) : 1.5

## Use

U-CAT SA 1 is a cationic surfactant that can be used in a variety of applications, including:

- Personal care products, such as shampoos, conditioners, and body washes
- Household cleaners
- Industrial cleaners
- Paints and coatings

- Textiles
- paper
- food

### Advantages

- U-CAT SA 1 is a safe and effective surfactant.
- It is not a carcinogen, mutagen, or reproductive toxin.
- U-CAT SA 1 is also biodegradable.
- U-CAT SA 1 is a versatile surfactant that can be used in a variety of applications.
- It is an excellent foaming agent with good decontamination properties.
- U-CAT SA 1 is also a good emulsifier and can be used to prepare stable emulsions.

### Precautions

- U-CAT SA 1 can irritate the skin and eyes.
- It should be used with caution and appropriate personal protective equipment (PPE) should be worn when handling it.
- U-CAT SA 1 should not be ingested.
- If swallowed, it should not induce vomiting.

- If it comes into contact with skin, wash it immediately with soap and water.
- If it comes into contact with eyes, rinse with clean water for at least 15 minutes and seek medical attention.



### Storage and disposal

U-CAT SA 1 should be stored in a cool, dry place in an airtight container.

U-CAT SA 1 should be disposed of in accordance with local, state, and federal regulations.

**Shelf life:**

Remain unopened for two years

**Storage and Transportation:**

Should be sealed, stored in a dry cool ventilated warehouse

**Packing:**

200KG/ barrel storage: It is recommended to store in a dry and cool area with proper ventilation. After the original packaging, please fasten the packaging cover as soon as possible to prevent moisture and other substances from mixing and affecting the product performance. Do not inhale dust and avoid contact between skin and mucous membrane. Smoking, eating and drinking are prohibited in the workplace. Shower and change after work. Store contaminated clothes separately and use them after washing. Practice good hygiene.

**Technical support and business contacts E-mail: [info@newtopchem.com](mailto:info@newtopchem.com)**