

## Fentacat 11 catalyst CAS63469-23-8 Solvay

Fentacat 11 is a specialty amine used as a buffer and corrosion inhibitor in a variety of industrial applications. It is a clear, colorless liquid with a mild odor. Fentacat 11 is highly water-soluble and non-corrosive to metals.

### Product Overview

CAS Number: 63469-23-8

Alias: Triethanolamine oleate

Molecular formula: C<sub>19</sub>H<sub>39</sub>NO<sub>3</sub>

Molecular weight: 319.5 g/mole

Appearance: Clear colorless liquid

Smell: mild

Solubility: Water soluble

Ph: 8.5

Flash point: 190°F (88°C)

### Physical and chemical properties

The following table lists the physical and chemical properties of Fentacat 11:

Properties	value
density	0.92 g/cm <sup>3</sup>
Viscosity	10 millipa · second
Refractive Index	1.44
Water soluble	Complete
pH	8.5
Flash Point	88°C (190°F)

## Apply

Fentacat 11 is used in a variety of industrial applications, including:

- Metal working fluids
- Lubricating oil

- Corrosion inhibitor
- Surfactants
- Textile processing
- Paper making
- Makeup
- Pharmaceuticals

### **Advantages**

Fentacat 11 has many advantages, including:

- High water solubility
- Non-corrosive to metals
- Good cushioning ability
- Corrosion inhibition properties
- Biodegradable

### **Manufacturing method**

Fentacat 11 is prepared by reacting oleic acid with triethanolamine. The reaction occurs in the presence of a catalyst such as hydrochloric acid. The product is then purified by distillation.



### Precautions for use

Fentacat 11 is a mild skin irritant. It is important to avoid contact with skin and eyes. If contact does occur, wash the affected area with soap and water immediately. Fentacat 11 is also a respiratory irritant. It is important to use it in a well-ventilated area.

### Shelf life:

Remain unopened for two years

### Storage and Transportation:

Should be sealed, stored in a dry cool ventilated warehouse

### Packing:

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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)**