

## Fentacat F15 catalyst CAS11103-53-3 Solvay

### Product Overview

Fentacat 15 is a water-soluble non-ionic surfactant used in a variety of industries, including personal care, home cleaning and industrial applications. It is a clear, colorless liquid with a mild odor. Fentacat 15 is biodegradable and has low toxicity.

### Physical and chemical properties

CAS Number: 11103-53-3

Alias: Tridecyl pentaethoxy ethoxylate

Molecular formula: C<sub>29</sub>H<sub>57</sub>O<sub>7</sub>

Molecular weight: 499.7 g/mol

Specific gravity: 1.06

Flash point: 185°F

Solubility: Easily soluble in water

Ph: 6.5-8.5

### Apply

Fentacat 15 is a versatile surfactant that can be used in a variety of applications, including:

- Personal care: shampoos, conditioners, lotions, soaps
- Household cleaning: dish detergent, laundry detergent, floor cleaner
- Industrial applications: papermaking, textile processing, metal processing

### **Advantages**

Fentacat 15 has many advantages, including:

- Low toxicity
- Biodegradable
- Versatile
- Effective in a variety of applications

### **Manufacturing Method**

Fentacat 15 is produced by esterification of ethylene glycol with fatty alcohols. Fatty alcohols are first esterified with ethylene glycol to form monoesters. The monoester then reacts with additional ethylene glycol to form diesters and triesters. The end product is a mixture of monoesters, diesters, and triesters.

### Precautions for use

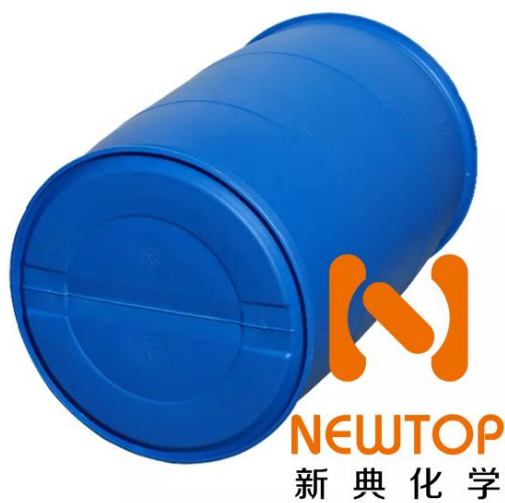
Fentacat 15 is a safe product when used as directed. However, it is important to avoid contact with eyes and skin. If contact does occur, rinse immediately with water.

Fentacat 15 should not be ingested. If ingested, call the poison control center immediately.

The following table summarizes the physical and chemical properties of Fentacat 15:

Properties	value
CAS number	The 11103-53-3
Another name	Tridecyl pentaethoxy ethoxide
Molecular formula	C <sub>29</sub> H <sub>57</sub> O <sub>7</sub>
Molecular weight	499.7 g/mole

Specific gravity	1.06
Flash Point	185 degrees Fahrenheit
Solubility	Soluble in water
pH	6.5-8.5



**Shelf life:**

Remain unopened for two years

**Storage and Transportation:**

Newtop Chemical Materials (Shanghai) Co.,Ltd.

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Mobile Phone: +0086-183 0190 3151 E-mail: [info@newtopchem.com](mailto:info@newtopchem.com) [www.newtopchem.com](http://www.newtopchem.com)

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)**