

## EMXC02

Chemical Name: Ethylene Carbonate 、 Ethylene Glycol 、 Polyoxyethylene Lauryl Ether

### Product Description

The use of CO<sub>2</sub> as a chemical feedstock for polymers has been intensively diversified in the last years. A variety of products can be manufactured from CO<sub>2</sub>, e.g., acids, alcohols, esters, lactones, carbamates, urethanes, urea derivatives, various copolymers, and polymers. OUCC with its mother company FEG (Far Eastern Group) have devoted years in the nova CO<sub>2</sub> technology, different synthetic routes are being studied for the chemical conversion of CO<sub>2</sub> to various chemicals or to introduce CO<sub>2</sub> onto polymer backbones.

**EMXC02** is an eco-friendly version of traditional surfactant **EVOXs™ L78**, which is widely used in laundry detergents and additives in many industrial cleaners. In addition to performing the same properties as **EVOXs™ L78**, **EMXC02** is identified as a carbon sink product. Our **EMXC02** contained CCS-CO<sub>2</sub> and has advantage of carbon emission reduction, we believe it will contribute downstream users to forge a sustainable life on earth.

### Typical Properties

Property	Unit	Value	Method
CCS*-CO <sub>2</sub> content	wt %	20	
Aqueous Colloid		None	Visual
Appearance		Clear to cloudy	1% aq.
pH		5~8	1% aq.
HLB value		14	

\*CCS-CO<sub>2</sub> means the carbon dioxide are from Carbon Capture System of Our Kaohsiung LinYuan plant

### Main Application

- Soap and Laundry detergents
- Emulsifiers and wetting agents in textile, leather dyeing, and paper industries
- Industrial cleaning
- Dispersant in paints and coating
- Surfactant intermediate and esters

**Standard Packing**

200kg per steel drum, 80 drums per 20' FCL (16.0MT)

**Shelf Life**

OUCC will endorse the results on the certificate of analysis (COA) for a period of up 1 year from the date of manufacture for material in original, unopened, properly stored containers. Beyond one year from this COA issuing date, we recommend the material should be reexamined to ensure that it is still suitable for use

**Handling and Storage**

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Avoid direct exposure to sunlight.

**WARNING**

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, notably as regards infringement of or prejudice to third parties through the use of our products. OUCC GUARANTEES THAT ITS PRODUCTS COMPLY WITH ITS SALES SPECIFICATIONS.

This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of the present document and OUCC is at their disposal to supply any additional information.

**Oriental Union Chemical Corporation**

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