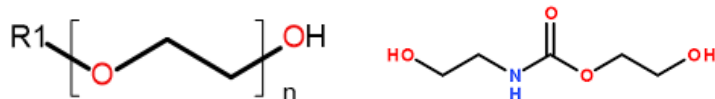


EMXC02

Chemical Name: Ethoxylated C12-14 alcohols and 2-Hydroxyethyl 2-hydroxyethylcarbamate

CAS Number: 68439-50-9, 7506-80-1

Structure: n=8



Product Description

The use of CO₂ as a chemical feedstock for polymers has been intensively diversified in the last years. A variety of products can be manufactured from CO₂, 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 CO₂ technology, different synthetic routes are being studied for the chemical conversion of CO₂ to various chemicals or to introduce CO₂ 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-CO₂ 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 ₂ content	wt %	20	
Aqueous Colloid		None	Visual
Appearance		Clear to cloudy	1% aq.
pH		5~8	1% aq.
HLB value		14	

*CCS-CO₂ 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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