



# Cola<sup>®</sup>Carb O5C

Low-Foaming Emulsifier

## INCI

Oleth-6 Carboxylic Acid

## LISTINGS

Canada (DSL), US (TSCA), Australia (AICS), Korea (KECI), China (IECSC), Philippines (PICCS), New Zealand (NZIoC), Taiwan (TCSI)

**Cola<sup>®</sup>Carb O5C** is a combined non-ionic and anionic surfactant. It is a long alkyl chain (C16-18) emulsifier with a moderate degree of ethoxylation. It is chemically stable under acidic and alkaline conditions.

Cola<sup>®</sup>Carb O5C is a low-foaming ether carboxylic acid with favorable emulsification and dispersing properties. It shows outstanding stability against electrolyte and hard water and demonstrates exceptional lime-soap dispersing capability. This product also provides cleansing and lubricating action along with corrosion protection.

Cola<sup>®</sup>Carb O5C can be used as stand-alone or co-emulsifier in water-miscible metalworking fluids and other industrial lubricants. Its outstanding hard water tolerance and lime-soap dispersing capability help extend the lifetime of the fluid.

## KEY PERFORMANCE ATTRIBUTES

- Chemically stable
- Low foaming
- Good emulsification properties
- Good lime soap dispersing capability
- Electrolyte and hard water stable
- Lubricity improver
- Supports corrosion prevention

## APPLICATIONS

- Metalworking fluids
- Rolling emulsions
- Fire resistant hydraulic fluids (HFA-S)
- Metal cleaning
- Specialty lubricants

## PROPERTIES

HLB	10
K-Value	17
Surface Tension (@ 1wt%)	39 dynes/cm

## SHAKE FOAM TEST

*(1g TEA-neutralized ColaCarb O5C in 50 mL DI water)*

Immediate	100 mm
1 Minute	20 mm
5 Minutes	20 mm

## SPECIFICATIONS

Appearance, 25°C	Clear Liquid
pH (1% aqueous)	2.5 – 4.0
Acid Value	75 – 95
Moisture, %	8.0 Max.
NaCl, %	1.0 Max.
Color, Gardner BYK	7 Max.
Active, %	91.0 Min.

## STORAGE AND HANDLING

Cola<sup>®</sup>Carb O5C is shipped in 55 gal. drums, net weight 450 lbs (204.1 kg) or bulk. Cola<sup>®</sup>Carb O5C should be stored in closed containers. Shelf life is 12 months from date of manufacture. Safety Data Sheet is available at [www.colonialchem.com](http://www.colonialchem.com).

## Colonial Chemical

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[www.colonialchem.com](http://www.colonialchem.com)

*Innovative Specialty Surfactants*