Technical Data Sheet

UCARSOL™ GT 1000 Antifoam

For Gas Treating

Introduction

UCARSOL™ GT 1000 Antifoam is Dow's premium antifoam for rapid foam reduction for frequent and challenging foaming issues. It is particularly useful in controlling foam conditions caused by contamination from liquid hydrocarbons, particulates or surfactants in general. Due to its improved foaming resistance, UCARSOL GT 1000 Antifoam has a wider dosage range and more operating flexibility. Both refinery and natural gas processing facilities often encounter these types of contamination and should consider the use of UCARSOL GT 1000 Antifoam in physical solvent applications, amine treating and glycol dehydration systems.

Features & Benefits

UCARSOL™ GT 1000 Antifoam offers important special advantages:

- Excellent mass transfer while controlling foam
- Excellent antifoam durability when liquid hydrocarbon contamination is present
- Reduced addition levels for control of severe foaming situations
- Rapid foam reduction
- Wider dosage range and more operating flexibility
- Improved overall performance of the system in terms of separation and solvent loss
- Does not cause scaling in heat exchangers nor physical build- up problems within the system

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Dilution (Dispersion)

For ease of pumping, UCARSOL™ GT 1000 Antifoam can be pre-mixed with either amine dilution grade water or an amine solution. Suggested dilution is either 25 volume percent or 50 volume per cent of UCARSOL GT 1000. When mixing, add the required amount of amine dilution grade water or amine solution to mixing tank, and then start vigorously mixing while adding UCARSOL GT 1000. Continuous vigorous mixing is required because UCARSOL GT 1000 is NOT soluble in either amine dilution grade water or the amine solution. If vigorous mixing is stopped after the initial dispersion is made, initiate vigorous mixing for an adequate time (depending on specific equipment) before using the mixture.

Table 1: Dilution Concentrations of UCARSOL™ GT 1000 Antifoam

Dilution	*Concentration of GT 1000 Antifoam (as received) [ppm]*
4 pints in 5,000 gal	100
4 pints in 10,000 gal	50
13 ounces in 10,000 gal	10
2 pints in 50,000 gal	5

Physical Properties

Table 2: Physical Properties of UCARSOL™ GT 1000 Antifoam[1]

Pour Point (ASTM D97), °C (°F)	-29 (-20)
Specific Gravity at 25°C (77°F)	1.018
Weight per Gallon at 25°C, lbs	8.496
Viscosity at 25°C (77°F), cSt	860
Vapor Pressure at 25°C, mm Hg	<0.01
Refractive Index, 25°C	1.454
Flash Point, Pensky-Martens Closed Cup (ASTM D93), °C (°F)	191 (375)

1) The physical property data listed are considered to be typical properties, not specifications

Additional information on UCARSOL™ GT 1000 Antifoam, its properties and advantages is available upon request. To explore how UCARSOL GT 1000 Antifoam can improve performance in your existing or proposed gas treating unit, contact Dow.

Gas Treating Services

Dow is a worldwide leader in providing gas treating processors with specialized technology and services. To aid in both plant design and operation, UCARSOL™ solvents are supported by advanced simulation capabilities, state-of-the-art laboratories, field test equipment, analytical procedures and an optimization program. The services Dow provides encompass preliminary assessments, start-up services, continual monitoring, and follow-up services. Included in this total support program are the training for people in the field, regular sample testing and performance evaluation. To ensure complete customer protection and satisfaction, Dow is there every step of the way – before, during, and after installation.

Note: This guide is designed as a general product overview. Please contact your local Dow Oil & Gas representative for up-to-date, detailed technical information including registrations and use limitations and to discuss individual applications or requirements.

Contact:
www.dow.com/contact