

BURCO® ECO-8145

Nonionic Alkyl Polyglycoside Surfactant

BENEFITS AND FEATURES

- Provides stable foam and excellent grease emulsification properties
- Exhibits excellent surface tension reduction
- Acts as a dispersant and wetting agent
- Compatible with acids, alkalis, and builders
- Hard water tolerant
- Allows for the formulation of metal free and chlorine free cleaners
- More soluble and stable than traditional nonionics under a wide range of conditions
- Unlike alcohol ethoxylates, readily dissolves in caustic solutions; stable in solutions containing up to 50% caustic soda or potash
- Reduces need for hydrotropes and foam builders
- Alkyl phenol ethoxylate (APE) free
- Readily biodegradable
- Can be used in the formulation of “green” products compliant with Green Seal and EPA Design for the Environment (DfE) standards and similar “green” standards

TYPICAL APPLICATIONS

- Hard surface cleaners
- Food and beverage cleaners – bottle washing, brewery cleaning, juice pulp removal
- Laundry and dishwashing detergents
- Circuit board and associated electronics cleaners
- Coil cleaners

TYPICAL PROPERTIES

Appearance at 25°C	Clear yellow liquid
pH (10% aqueous)	8.25
Activity, %	50
HLB	13
Cloud Point (1%), °C	>100
Viscosity, cP at 25°C	150
Density, lbs/gal	9.40

FORMULATION GUIDELINES

- Burco ECO-8145 is compatible with cationic, anionic, and nonionic surfactants.
- Burco ECO-8145 can be used in both acidic and basic environments. The product is stable in solutions containing up to 50% caustic soda or potash.
- The use of solvents such as glycols, butyl ethers, and d-limonene as part of the formulation is possible.
- To increase the amount of foam generated, surfactants such as Burcoterge C2P-39 (amphoteric) or Burco COPB-35 (betaine) can be added to the formulation.
- Formulation of DfE and Green Seal acceptable products should follow the guidelines published by the certifying body to ensure all standards are met for all materials in a given formulation.

AVAILABILITY

Burco ECO-8145 is available in 53-gallon, open-head, poly drums (490 lbs).

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