

PRODUCT: ORB3000SC

ADVANCED TANK CLEANING TECHNOLOGY



Advanced Chemistry



CIP Systems



ADVANCED WATER HARDNESS REDUCTION

Proven Success Record

Used and specified by major breweries in the USA and Canada due to its powerful rinsing enhancements and reduction of CIP Times and water usage.

Product Description

ORB3000SC is a concentrated wash aid including a chelant, dispersant, and surfactant delivery system that is typically used to enhance Caustic Soda when used for the cleaning of tanks and/or other equipment where Caustic Soda is the principal cleaning chemistry used. Use in CIP (Clean In Place) Systems, COP (Clean Out Of Place) Systems, and piping recirculation is common.

ORB3000SC has been designed specifically to enhance Caustic Soda so that the removal of organics via saponification is made highly efficient... thus reducing solution time, rinse time, and high reduction of water usage.

ORB3000SC is:

- "One Stop" Caustic Soda Enhancement System.
- A highly efficient surface tension reducer; thus improves cleaning
- A highly efficient water hardness control agent
- Low foaming and ideal for cleaning applicaitons
- Rinse efficient; thus reducing rinse times and water usage
- Production efficient; thus increasing batch process capabilities
- Reduces Caustic Soda consumption and Set Point Values
- Reduces energy consumption through enhanced cleaning efficiencies

Physical & Chemical Properties

Appearance	Clear
Color	Light amber
Solubility	Soluble in water and Caustic Soda
Odor	Bland
Specific gravity	1.30 @ 70°F
pH Value (Concentrate)	2.0 - 3.0
Flash point	None
Flammability	Non flammable
Typical Dosage %	10% by weight in Caustic Soda

Performance Properties...

1. Surface tension, 0.3% ORB3000SC in 3.0% NaOH
2. Ross Miles Foam Tests, 0.1% ORB3000SC in 1.0% NaOH

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ADVANCED SURFACTANT TECHNOLOGY



Part Number Reference Table

ORB3000SC-EU1000	EU 1000L IBCs
ORB3000SC-EU200	EU 200L Drums
ORB3000SC-EU25	EU 25L Kegs
ORB3000SC-US275	US 275 Gallon Tote Tanks
ORB3000SC-US55	US 55 Gallon Drums
ORB3000SC-US30	US 30 Gallon Drums
ORB3000SC-US5	US 5 Gallon Pail



Directions for Product Use

It is recommended that **ORB3000SC** should be used at concentrations of 10% by weight in Caustic Soda (50% concentration). This use solution would then be used at a dosage rate of 3% in fresh water. Custom application of **ORB3000SC** can and should be considered based on the water hardness used in your make-up water for cleaning. Consult with your Orbijet Sales Professional for an on-site evaluation.

This unique cleaning product is temperature insensitive and can be used at temperatures in the range of 41°F to 200°F. The cleaning efficiency of the product typically increases on increasing the temperature of the use solution.

Your cleaning routines (CIP Recipe) should be evaluated for reductions in time and water usage when using the **ORB3000SC** product. Consult your Orbijet Sales Professional on our CIP Optimization Programs to insure that you are maximizing your cost benefit options when using this product.

Typical Applications are...

- Fermentation
 - Breweries
 - Wineries
 - Ethanol
 - Yeast
- Brew Kettles
- Lauter Tuns
- Whirpools
- Heat Exchangers

Any and all other applications where Caustic Soda is used as the primary or integral cleaning chemistry.

Handling and Packaging

ORB3000SC is safe for handling and no special procedures need be observed. Normal precautions should be observed for the safe handling and storage of all chemicals and protective clothing should be used. Refer to the product MSDS for details.

ORB3000SC is manufactured in USA and distributed worldwide. The product in North America is supplied in 5 gallon pails, 30 gallon drums, 55 gallon drums, and 275 gallon totes. Truckloads are also available where applicable.

Shelf Life

ORB3000SC is stable for a period of up to 2 years provided that it is stored and handled appropriately.



The information presented is complete and accurate to the best of our knowledge and belief. Since the applications and conditions in which the products may be used are outside our control, all recommendations and suggestions regarding their use are made without guarantee or warranty. Furthermore, ORBIJET cannot accept any liability for loss or damage which may be incurred in connection with the use of our products. In addition, ORBIJET cannot accept any liability for loss or damage incurred as a result of an infringement or an alleged infringement of any third party intellectual property rights caused (directly or indirectly) by the use of our products (in a manner that contradicts our suggested methods of use for such products).

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