



Product Name	<b>SO/SAN<sup>®</sup> 30M</b>
Description	SO/SAN 30M is a concentrated blend containing BTC <sup>®</sup> 2125M as the active germicidal quaternary and ACCOSOFT <sup>®</sup> 808 as the softener quaternary.
CAS Registry No.	68391-01-5 68956-79-6/85409-23-0
EPA Registration No.	1839-57
PCP Registration No.	23100
Applications	<b>SO/SAN 30M IS A CATIONIC MATERIAL. DO NOT MIX WITH SOAP OR OTHER ANIONIC MATERIALS.</b> For formulation into antimicrobial products for use in laundry (commercial, vet, hospital, household) and diapers (household, presoak, hospital, commercial). Formulators using this product are responsible for providing data for the EPA registration of their formulated products.
Composition	Active biocidal ingredients: Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) Dimethyl Benzyl Ammonium Chloride ..... 13% Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) Dimethyl Ethylbenzyl Ammonium Chloride..... 13% Inert Ingredients ..... <u>74%</u> 100%
Typical Properties	Appearance at 25°C..... Opaque liquid Active germicide (MW 384), %..... 26.0 - 28.0 Active Softener, % ..... 20.0 - 23.0 Boiling Point, °C (°F)..... 100 (212) Flash Point, PMCC, °C (°F) ..... 29 (84) pH (10% solution, 1:1 with isopropanol)..... 4.7 Density, g/ml (lbs/U.S. gal)..... 0.97 (8.05) RVOC, U.S. EPA, % (Isopropyl and ethyl alcohol)..... 14
Environmental Effects	Product is biodegradable. Additional information is available upon request.
Health Effects	SO/SAN 30M is slightly toxic orally (LD <sub>50</sub> >500 mg/Kg) and dermally (LD <sub>50</sub> >2g/Kg) and it causes severe skin and eye irritation.

ACCOSOFT<sup>®</sup>, BTC 2125<sup>®</sup>, and SO/SAN<sup>®</sup> are registered trademarks of Stepan Company.



## Storage & Handling

Handle SO/SAN 30M with care; use away from sparks and open flames. Use in a well ventilated area. Refer to registered label for additional storage and handling information.

It is recommended that SO/SAN 30M be stored in sealed containers and kept in a cool dry place. If material is frozen it should be heated gently and stirred to ensure it is homogeneous before use.

**Bulk Storage Information:** SO/SAN 30M can be stored in vessels of 316 stainless steel or fiberglass with a corrosion liner. Contact between quaternaries and anionic materials, soap and sulfated oils must be avoided. SO/SAN 30M should be stored between 85-120°F. An internal hairpin coil of 316 stainless steel with low pressure steam (under 50 psig) should be used if heating is required. Mild agitation is recommended while storing to maintain homogeneity. Pumps, pipes and transfer lines should be 316 stainless steel. Rubber hoses with Teflon cross-linked polyethylene with 316 stainless steel fittings are recommended for loading and unloading.

**Standard Packaging:** SO/SAN 30M is available in 55 gallon drums (440 lb, 182 kg) and in bulk quantities.

## Workplace Exposure

Occupational exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace practices should be used to control these exposures.

## Clearances

All components of SO/SAN 30M are listed in United States (TSCA), Europe (EINECS), Canada (DSL), Australia (AICS), Korea (ECL), and Philippines (PICCS). Review the chemical control regulations for each country.

## Registration

In the U.S., all products used on inanimate surfaces which are sold and claimed to be bacteriostatic, germicidal, algacidal or to kill or inhibit organisms in any way are required to be registered with the U.S. Environmental Protection Agency. Formulators are responsible for any additional data which may be required by local, state or country agencies.

Supplemental registration is a requirement for sale and distribution of registered formulations; contact our Registration Coordinator at (847) 501-2329 for registration information.

## Additional Safety Information

A Material Safety Data Sheet is available upon request.

## Product Stewardship

This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

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