

# Alpha Olefin Sulfonates

## Product Line Overview

Explore and easily choose from our full range of BIO-TERGE® alpha olefin sulfonate (AOS) products and elevate your personal care formulations. Stepan's AOS products have equal performance in formulation, making your choice simple: desired product form and/or preservation.

BIO-TERGE	<u>AS-40 HP</u>	<u>AS-40A</u>	<u>AS-40K</u>	<u>AS-40 HASB*</u>	<u>AS-90 BEADS</u>
INCI Name	<i>Sodium C14-16 Olefin Sulfonate</i>				
Performance	Highest foam volume and low viscosity response as compared to other anionic surfactants, such as Sodium Laureth Sulfates				
Key Characteristic	Formulation flexibility	Friendly preservative	Cost effective	Region-specific	Concentrated form
Product Form	Clear liquid	Clear to slightly hazy liquid	Clear liquid	Clear liquid	Powder/beads
Preservative	None Required	Benzoic Acid	CIT/MIT	None Required	None Required
pH Range 10% in water	10.5 - 12.0	5.5 - 6.5	5.0 - 6.5	11.0 - 13.0	8.0 - 10.0 5% in water
Actives, %	38.0 - 40.0	37.0 - 41.0	38.0 - 40.0	37.0 - 39.0	85 Min
Sodium Chloride, %	1.0 Max	1.0 Max	1.0 Max	Not Listed	1.5 Max
Sodium Sulfate, %	1.5 Max	1.0 Max	2.0 Max	1.0 Max	4 - 8
Color Klett, 5% active in water	100 Max	100 Max	100 Max	80 Max	150 Max 5% solids in water
Viscosity at 25°C, cPs	1,000 Max	500 Max	500 Max	500 Max	N/A
Availability	Global	Global	Global	EMEA	Global
Safer Choice	Meets	Not Evaluated	Meets	Not Evaluated	Does Not Meet

\*BIO-TERGE AS-40 HASB available in Mass-Balanced options. Submit an inquiry for more information.

**Still Need Help?** Visit [Stepan.com](https://www.stepan.com) for more information or submit an inquiry at [go.stepan.com/contact](https://www.stepan.com/contact).

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