



**EXOSIN** DS5

**APE free emulsifier and dispersant**





# EXOSIN DS5

**EXOSIN DS5** is used as **primary emulsifier** for the emulsion polymerization of diverse polymers such as vinyl acetate, acrylic & styrene acrylic homo- and copolymers going into a wide variety of applications such as paint binders, paper and textile coatings, overprint varnishes (OPV), adhesives...

## Product description

Disodium ethoxylated alcohol (C10-C12) half ester of sulfosuccinic acid

## Benefits

- Excellent emulsifying properties
- Low CMC (critical micelle concentration)
- Good mechanical and electrolyte stabilization
- Suitable to produce high solid emulsions
- Clear film formation
- Resistance to yellowing upon heating
- Good pigment dispersing properties



### Because we care

APE (alkyl phenol ethoxylate) free

▪  
Low VOC < 0.5%  
(volatile organic compounds)

▪  
No ingredients of animal origin

▪  
Non-flammable liquid

▪  
No SVHC  
(substances of very high concern)

EOC continuously improves  
its environmental and health profile  
whilst providing high-performance  
products.

## Guide formulation 50% solids styrene/acrylic emulsion polymerization:

Reactor content	W/W %
Demineralised water	26.5
Sodium bicarbonate	0.1
Exosin DS5	0.5
<b>Premix</b>	
Demineralised water	15.5
Exosin DS5	1.7
Butylacrylate	25.0
Styrene	25.0
Acrylic acid	1.0
<b>Initiator solution</b>	
Demineralised water	3.7
Sodium persulphate	0.2
<b>Neutralisation</b>	
Ammonia (25%)	0.8
Total	100