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## Typical Product Specifications & Properties

# Dodecylbenzenesulphonic Acid, Sodium Salt, Biodegradable

CAS Number: : 25155-30-0

| Specifications               | Limits   |
|------------------------------|--|
| Molecular weight             | 348.48   |
| EINECS                       | 246-680-4  |
| SMILES                       | <chem>c1(c(cccc1)CCCCCCCCCCCC)S(=O)(=O)[O-].[Na+]</chem>   |
| InChI                        | HFQQZARZPUDIFP-UHFFFAOYSA-M  |
| InChIKey                     | 1S/C18H30O3S.Na/c1-2-3-4-5-6-7-8-9-10-11-14-17-15-12-13-16-18(17)22(19,20)21;/h12-13,15-16H,2-11,14H2,1H3,(H,19,20,21);/q:+1/p-1 |
| Color                        | light yellow   |
| Stability                    | Stable.  |
| Merck                        | 8612   |
| Form                         | powder   |
| Atmospheric OH Rate Constant | 1.62E-11 cm <sup>3</sup> /molecule-sec   |
| Henry's Law Constant         | 6.27E-08 atm-m <sup>3</sup> /mole  |
| Water solubility             | 800 mg/L   |



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| Specifications        | Limits         |
|-----------------------|----------------|
| log P (octanol-water) | 1.96           |
| Vapor Pressure        | 2.29E-15 mm Hg |



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