

# AakoSun TDSA

## Terephthalylidene Dicamphor Sulfonic Acid

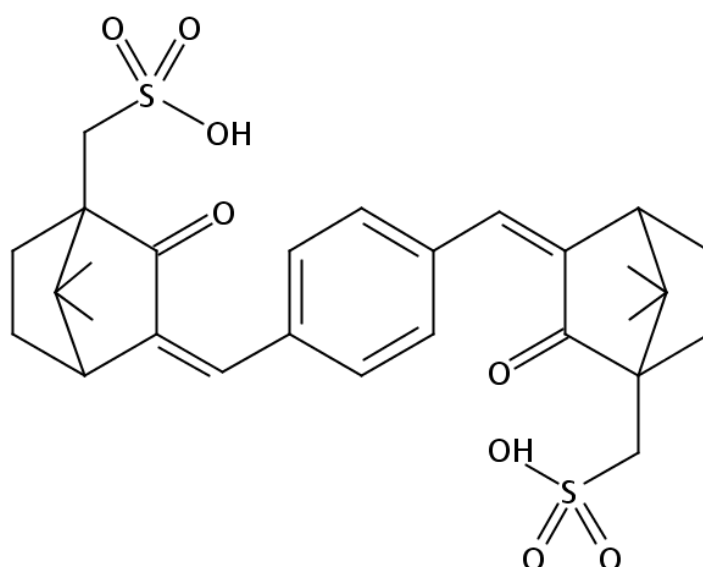
### Description

AakoSun TDSA is a photo stable, water-soluble UV-A filter that is approved in many countries worldwide for use in sun care preparations.

AakoSun TDSA can be combined in emulsions with oil-soluble UV filters such as AakoSun OCR (Octocrylene) to provide stable broad spectrum UV-A and UV-B protection.

AakoSun TDSA is supplied as a 33% solution of TDSA which should be neutralized with base such as TEA (Triethanolamine) prior to addition to the formulation.

▪ Chemical name	3,3'-(1,4-Phenylenedimethylene)bis[7,7-dimethyl-2-oxo-bicyclo[2.2.1]heptane-1-methanesulfonic acid]
▪ INCI/USAN name	Terephthalylidene Dicamphor Sulfonic Acid / Ecamsule
▪ CAS number	92761-26-7
▪ Formula	C <sub>28</sub> H <sub>34</sub> O <sub>8</sub> S <sub>2</sub> MW 562.70 g/mol
▪ UV A & B absorber	Aqueous solution



## AakoSun TDSA

### Typical properties

Appearance	Yellow to brownish aqueous solution
Assay	33 %
pH	1
Acid Value	65 – 70 mg KOH/g

### Regulatory Status:

EU 10% Max. expressed as acid  
Regulation (EC) No 1223/2009 Annex VI entry 7

### Storage:

Must be stored in closed containers in dry cool conditions. Minimum shelf life of 2 years under appropriate conditions of storage.

