

SPAK ORGOCHEM (INDIA) PVT LTD

(Govt. Approved Export House)

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Diocetyl Sodium Sulfosuccinate (DOSS)

Diocetyl Sodium Sulfosuccinate (DOSS)), a surface-active agent, is well known for its superior wetting power. Its use as a wetting agent in industries like textiles, leather and pulp and paper is well known. It is also used in pharmaceutical, emulsion polymerization, electroplating, paints and printing inks. Specialties such as antifog formulations, automotive radiator cleaners, battery separators, coal dust suppressant, glass cleaners rust preventives, wallpaper removers contain DOSS as a surfactant. It is useful in germicidal preparations using pine oil or phenol where it increases the activity of pine oil/phenol.

Spak uses only 2-Ethyl Hexanol to make all its DOSS range. The product made with Iso Octanol is not as effective.

The specifications are as under.

Property	OT-50	OT-75
Appearance	Colourless to Pale yellow	Colourless to Pale yellow
Active content %	50-52	70-72
Solid Content %	50-55	70-75
pH 1% Solution	5.00-7.00	5.00-7.00

Properties:

1. The water solubility of **DOSS** is limited to about 5% depending on activity and temperature.
2. **DOSS** is an ester and therefore is subject to hydrolysis is strongly acidic and alkaline solutions. For practical purpose DOSS is stable between pH 1 to pH 10 at room temperature.

This property can be advantageously used in certain processes by using its rapid wetting in solutions and then destroying the surface activity.

3. **DOSS** has superior resistance to Calcium and Magnesium ions and ready rinsability.
4. **DOSS** has good solubilizing power for bringing in aqueous solutions certain water insoluble materials.

Note:

Spak is able to offer DOSS based on various concentration and solvents combinations. (e.g. Methanol, Ethanol, IPA, Propylene Glycol, Nonionics, mineral spirits etc.)