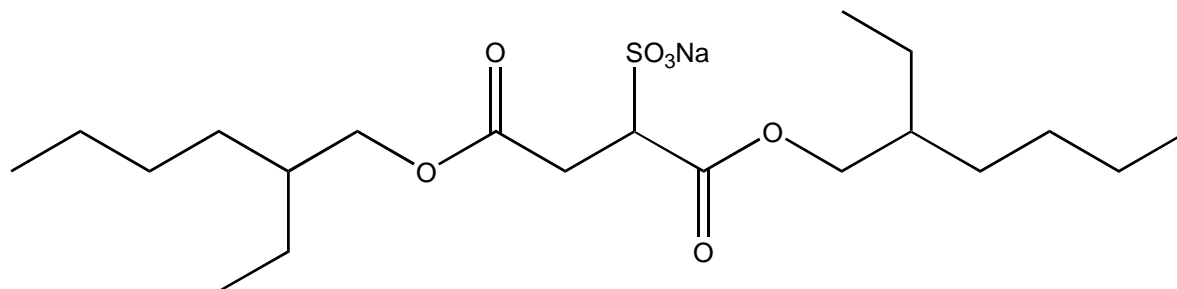


Macat[®] DOSS-70PG S/DOSS-75E



Diocetyl Sodium Sulfosuccinate

Overview

MACAT DOSS-70PG S is a 70% active di-2-ethylhexyl sodium sulfosuccinate in water and propylene glycol, DOSS-75E is 75% active in water and ethanol. DOSS-70PG S and DOSS-75E have broad FDA Status, and offers compatibility in a wide range of solvent systems for use as a versatile wetting, dispersing, emulsifying and detergent ingredient.

The exceptional quality of MACAT DOSS-70PG S/DOSS-75E allows for use in a wide range of markets and applications. DOSS-70PG S/DOSS-75E delivers rapid reduction in surface tension for improved wetting, adhesion, gloss and color resolution, and flow characteristics in **Ink & Overprint Varnish Systems**. In **Emulsion Polymerization**, DOSS-70PG S/DOSS-75E provides efficient particle generation at low concentrations for production of latexes with low particle size and narrow distribution. Use as a wetting and dispersing agent in **Textiles and Paper**, and penetrating and emulsifying agent in **Dry Cleaning Formulations**.

MACAT DOSS-70PG S/DOSS-75E is biodegradable (>66% by 28 days in the closed bottle test), exhibits very low toxicity with an Acute oral LD₅₀ (Rats) of >4g/kg and Acute dermal LD₅₀ (Rabbit) of >10g/kg, causes minimal eye irritation, and not considered a primary dermal irritant. **INCI Name: Diethylhexyl Sodium Sulfosuccinate, CAS# 577-11-7**

Typical Properties

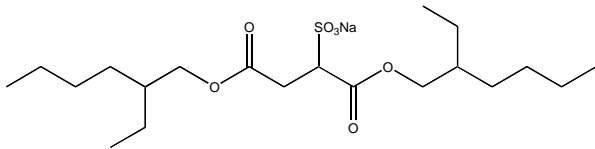
	DOSS-70PG S	DOSS-75E
Physical form.....	Viscous liquid	Viscous liquid
Color (Gardner).....	2 Maximum	2 Maximum
Actives.....	70±1.5%	75±1.5%
Specific gravity (25°C).....	1.04±0.04	1.07±0.04
pH (10% aq.).....	6.5±1.5	6.5±1.5
Flash point (PMCC).....	>200°F	100-110°F
VOC, ASTM method 24, %.....	1.4	5
Shipping.....	Non-Red Label	Combustible

Handling Information

Refer to the Material Safety Data Sheet (MSDS) available from Mason Chemical Company for information on the safe use, handling and disposal of this product.

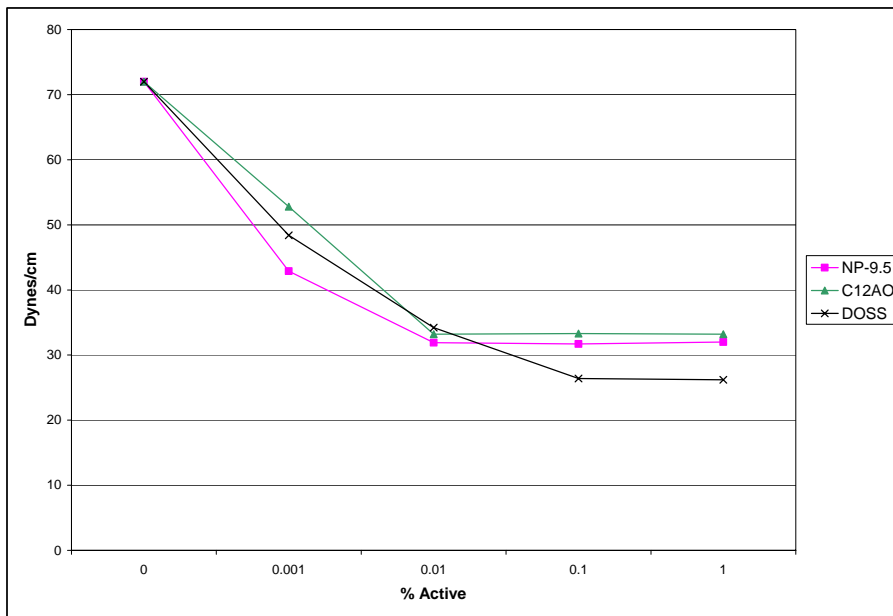
Macat is a trademark of Mason Chemical Company.

Macat® DOSS-70PG S



MACAT DOSS-70PG S is a 70% active di-2-ethylhexyl sodium sulfosuccinate in water and propylene glycol. DOSS-70PG S has broad FDA Status, and offers compatibility in a wide range of solvent systems for use as a versatile wetting, dispersing, emulsifying and detergent ingredient.

The exceptional quality of MACAT DOSS-70PG S allows for use in a wide range of markets and applications. DOSS-70PG S is permitted under 21 CFR 178.3400 of the Food Additives Regulations for use as an emulsifier and/or surface active agent in the manufacture of any non-food article intended for food-contact use. DOSS-70PG S is also permitted by 175.105 as a component in adhesive formulations, and by 176.18 as a component of paper and paperboard in contact with dry food. Use DOSS-70PG S as a wetting and dispersing agent in **Personal Care, HI&I Cleaning Products, Mineral Ore Processing, and Building/Construction Materials.**



DOSS-70PG S delivers relatively low surface tension compared with typical alkyl surfactants, as illustrated in the comparative data to the left (NP-9.5: Nonylphenol 9.5 mol ETO; C12AO: Lauryldimethyl amine oxide; DOSS: Macat DOSS-70PG S). Rapid surface tension reduction, along with excellent solubility in organic solvents, makes MACAT DOSS-70PG S an exceptional product for use a wide range of applications, including Printing Ink and Overprint Varnishes, Emulsion Polymerization, Textile and Paper, Agriculture and Organic/Hydrocarbon-Based Systems.

MACAT DOSS-70PG S delivers wetting, dispersing, penetrating and emulsifying properties for use in differentiated cleaning products, as the formulation below illustrates:

Concentrated Glass/Multi-Surface Cleaner

Ingredient	Wt%
Water	46.0
Macat AO-12	3.0
Macat DOSS-70PG S	1.0
Ethylene glycol monobutyl ether (EB)	10.0
Propylene glycol methyl ether (PM)	20.0
Propylene glycol n-butyl ether (PnB)	20.0
Dye & Fragrance	q.s.

Note

Mix in order listed.

Dilute 1:1 to 1:20 for desired performance.