



Cola[®]Wet MA-80

Sulfosuccinate Surfactant

CHEMICAL NAME	Sodium Dihexyl Sulfosuccinate in mixture of Isopropanol and Water
CAS NUMBER	2373-38-8
LISTINGS	US (TSCA); Australia (AICS); Japan (ENCS); Philippines (PICCS); Korea (ECL); China (IECSC)

Cola[®]Wet MA-80 surfactant is an anionic surface tension depressant and an emulsifying, dispersing and solubilizing agent exhibiting high electrolyte tolerance. It promotes penetration and spreading of organic liquids as films.

Molecular Formula:	$C_{16}H_{29}O_7NaS$
Molecular Weight:	388
EPA Status:	Exempt 40 CFR 180.1001 (d)
FDA Status:	Approved 21 CFR 178.3400

SPECIFICATIONS

Solids, %	79.0 – 81.0
Solvent System	15% Water 5% Isopropanol
Specific Gravity (25°C)	1.10
Appearance @ 25°C	Clear to Slightly Viscous Liquid
Acid Value	1.0 Max
pH (10% aq)	5.0 – 7.0
Iodine Value	0.25 Max.
Heavy Metals	10 ppm Max.
Ross-Miles Foam (0.5% solution, 25°C), mL	
Immediate	40
15 mins.	5

PERFORMANCE DATA / SOLUBILITY

Surface Tension / dynes/cm

MA-80 Conc. % solids	Water
0	72.0
0.001	69.5
0.02	60.6
0.1	45.8
0.25	38.2
0.5	30.8
1.0	27.8
2.0	27.5

Solubility Limits in Water (based on solids)

Temperature, °C	g/100 mL Water
25	34.3
30	35.4
40	37.5
50	39.8
60	42.1
70	44.7

Solubility in polar / nonpolar organic solvents

Acetone	Soluble
Benzene	Soluble
Carbon tetrachloride	Soluble
Ethanol (SDA 2-B)	Soluble
Glycerin	Soluble
Kerosene	Soluble
Mineral oil	Insoluble
Oleic acid	Soluble
Olive oil	Soluble, hot
Pine oil	Soluble

EPA STATUS ¹

Under the provisions of Section 180.1001 (d) of the Pesticides Chemicals Regulations, Cola®Wet MA-80 surfactant is exempted from the requirement of a tolerance when used in accordance with good agricultural practice as an inert ingredient of pesticide formulations applied to growing crops.

¹ 21 CFR 182.99 Adjuvants for Pesticide Chemicals—Adjuvants, identified and used in accordance with 40 CFR 180.1001 (c) and (d), which are added to pesticide use dilutions by a grower or applicator prior to application to the raw agricultural commodity, are exempt from the requirement of tolerance.

FDA STATUS

Cola®Wet MA-80 surfactant 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. There are no limitations on the nature or amount of use of Cola®Wet MA-80 surfactant other than the general limitations set forth in Section 174.5 which are applicable to every substance listed in Subpart D.

STORAGE AND HANDLING

Cola®Wet MA-80 should be stored in closed containers. Shelf life is 12 months from date of manufacture. Cola®Wet MA-80 is shipped in poly 55-gal drums, net weight 475 lbs (215.4 kg) and bulk. Safety Data Sheet may be downloaded at www.colonialchem.com.



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