

NIAPROOF®

Anionic Surfactant 4

Description

NIAPROOF Anionic Surfactant 4 is an aqueous solution containing 27 percent by weight of sodium tetradecyl sulfate. This product has modified solubility properties that make it a superior penetrant in solutions containing low concentrations of dissolved solids.

PRODUCT PROPERTIES

Chemical name	Sodium Tetradecyl sulfate
Formula	C ₁₄ H ₂₉ SO ₄ Na
Product form	Essentially colorless liquid
Molecular weight	0.2% by weight
CAS No.	139-88-8
EINECS No.	EC No. 205-380-3
Flash point	None – closed cup
Solubility in water at 20 °C	Miscible

Application

NIAPROOF Anionic Surfactants have great value in the pharmaceutical Industry. They enhance the bactericidal properties of common antiseptics, particularly those that are acidic. Their surface activity and wetting power are

useful in such applications as rapid fixing of histological specimens, increasing the efficiency of tuberculosis antiseptic solutions, and enhancing the activity of penicillin when it is used as a topical remedy. . It is useful in isolating streptomycin and similar antibiotics by forming complexes that are soluble in organic solvents.

Dosage

Anionic Surfactant 4 is a good wetting agent in solutions that contain between 3 and 10 percent dissolved solids. When used as a penetrant, concentrations of 0.5 to 1.0 percent of Anionic 4 give rapid saturation of densely packed materials, such as baled cotton, wood, and paper. For efficient wetting action, concentrations of 0.1 to 0.5 percent should be used.

Legislation

Anionic Surfactant 4 is listed in USFDA regulations by its chemical name, sodium Tetradecyl sulfate with the CAS-Number 139-88-8.

Stability

NIAPROOF Anionic Surfactants are stable, have no flash points, and are comparatively safe to store and handle.

Packaging

NIAPROOF Anionic Surfactant is packaged in 55-gallon polyethylene

Warranty. This information herein is offered as a guide and is believed to be accurate and reliable as of the date of the printing. The values given are not to be considered as a warranty and they are subject to change without prior notice. For additional information regarding our products or for information concerning current specifications, please contact our Technical Service.

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drums and 5-gallon polyethylene pails,
or bulk tank truck.

Safety precautions

Do not get in eyes, on skin, on clothing.
Avoid breathing vapor. Keep container
closed. Use with adequate ventilation.
Wash thoroughly after handling.

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