

Product Bulletin

STEPANOL® WA-EXTRA PCK

Product
Name

Chemical
Structure

INCI Name

CAS
Registry No.

Applications

$\text{CH}_3(\text{CH}_2)_{10}\text{CH}_2\text{OSO}_3\text{Na}$

Sodium Lauryl Sulfate

68585-47-7 (Alternate CAS No. 151-21-3)

STEPANOL WA-EXTRA PCK is a sodium lauryl sulfate produced from the sulfation of fatty alcohol via Stepan's SO_3 process. This process allows the consistent production of a high purity product such as STEPANOL WA-EXTRA PCK.

STEPANOL WA-EXTRA PCK can be used in a wide variety of personal care and household applications where copious amounts of foam and excellent viscosity building properties are desired. Because of its high purity, STEPANOL WA-EXTRA PCK can be used in formulations that are sensitive to levels of inorganic salts and free oil. STEPANOL WA-EXTRA PCK can be incorporated into shampoos, handsoaps, bath products, shaving creams, ointments, hard surface cleaners, liquid dish detergents and liquid laundry detergents.

Typical
Properties

Appearance at 25 °C	Clear liquid
Actives, % (MW 302)	29.0
Unulfated Material, %	1.0
Sodium Chloride, %	0.10
Sodium Sulfate, %	0.2
pH, 10% aqueous	5.8
Color, %T at 420 nm	90
Viscosity at 25 °C, cps	150
Flash Point, °C (°F)	>94 (>201)
Freeze Point, °C (°F)	7 (45)
Cloud Point, °C (°F)	<16 (<60)
Density, g/ml (lbs/U.S. gal.)	1.03 (8.6)
RVOC, U.S. EPA, %	0
Preservative	Methylchlorisothiazolinone/Methylisothiazolinone

Environmental
Effects

Product is readily biodegradable. A detailed biodegradability statement is available upon request.

Health Effects

STEPANOL WA-EXTRA PCK is slightly toxic orally (LD_{50} is between 0.8 to 1.1 g/kg) and causes moderate skin and eye irritation at 10% active.



Storage & Handling

Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling STEPANOL WA-EXTRA PCK. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

It is recommended that STEPANOL WA-EXTRA PCK be stored in sealed containers and kept at temperatures above 70 °F (21 °C). Avoid overheating or freezing. If material is frozen, mild heat and agitation are recommended to ensure the material is homogeneous before use.

Bulk Storage Information: Tanks made of 316 stainless steel or fiberglass with an Atlac 382 corrosion liner are recommended. Gear pumps and piping should be 316 stainless steel. Recommended storage for bulk tanks is 90-104 °F (32-40 °C).

Standard Packaging: STEPANOL WA-EXTRA PCK is available in bulk and 55 gallon drums (net weight 450 lb/204 kg).

Workplace Exposures

Occupational exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace practices should be used to control these exposures.

Clearances

All components of STEPANOL WA-EXTRA PCK are listed in the following countries; the registration numbers for the active ingredients are included in parentheses: United States (TSCA 68585-47-7), Australia (AICS 68585-47-7), Canada (DSL 68585-47-7), China (IECSC 68585-47-7), Europe (EINECS 271-557-7), Japan (ENCS 2-1679), Korea (ECL Serial No. KE-32620), New Zealand (NZIoC 68585-47-7), Philippines (PICCS 68585-47-7), and Taiwan (TCSI 68585-47-7).

It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used.

STEPANOL WA-EXTRA PCK is available as Kosher Certified.

STEPANOL WA-EXTRA PCK meets the U.S. EPA Safe Choice Program's surfactant screen and is listed on www.cleangredients.org (an on-line database for green formulators). For further information, visit www.cleangredients.org. Additional Stepan ingredient listing can be found at www.stepan.com.

Product Stewardship

This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

Additional Safety Information

A Safety Data Sheet is available upon request.



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