



Product Name

STEPFAC™ 8181 PT3K

Chemical Description

STEPFAC 8181 PT3K is a potassium salt of a phosphate ester.

CAS Registry Number

261627-68-3

Chemical Name

Poly (oxy-1,2-ethanediyl), alpha-hydro-omega hydroxyl-, Mono C11-14-isoalkyl Ethers, C13-rich, phosphates, potassium salt

Applications

STEPFAC 8181 PT3K can be used as a dispersant in a variety of agricultural applications, including suspension concentrates (SC), suspoemulsions (SE) and oil dispersions.

Typical Properties

Appearance, 25 °C Clear to slightly hazy, light amber liquid
Density at 25 °C, g/ml (U.S. lbs/gal)..... 1.06 (8.85)
pH (5% 1:1 IPA/H₂O) 6.9
Viscosity at 25 °C, cps 1,200
Flash Point, PMCC, °C (°F)..... >100 (>212)
Pour Point, °C (°F) -22.5 (-8.5)
RVOC, U.S. EPA, %..... 0

Environmental Effects

Product is readily biodegradable. Additional information is available upon request.

Storage & Handling

Standard Packaging: STEPFAC 8181 PT3K is available in drum, tote, and bulk quantities.

Non-Bulk Storage Recommendations: STEPFAC 8181 PT3K should be stored in closed containers and kept in a cool, dry place away from incompatible materials (see Section 10 of the Safety Data Sheet (SDS)). If material is frozen it should be heated gently and stirred to ensure it is homogeneous before use.

Bulk Storage Recommendations: STEPFAC 8181 PT3K should be stored in vessels of 316 stainless steel or fiberglass with a corrosion liner. Heating and agitation are recommended for outside storage. Material should be stored between 50 – 100 °F (10 – 38 °C). An internal hairpin coil of 316 stainless steel with low pressure steam (under 50 psig) should be used if heating is required. Pumps, pipes and transfer lines should be 316 stainless steel.

It is recommended that STEPFAC 8181 PT3K be stored in sealed containers kept in a well ventilated area away from sparks, fire and open flame. Avoid overheating or freezing. Equipment should be grounded when transferring or using material. Normal safety precautions (e.g., gloves and safety goggles) should be employed when handling STEPFAC 8181 PT3K. Contact with eyes, nose or skin should be avoided. Wash thoroughly after handling STEPFAC 8181 PT3K. See the SDS for further information.



Clearances

The international inventories (country clearances) for STEPFAC 8181 PT3K can be found in Section 15 of the Safety Data Sheet (SDS). **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.** If you have any further questions regarding inventories, please contact North America Technical Service at techserv@stepan.com.

STEPFAC 8181 PT3K is exempt from the requirement of a tolerance under 40 CFR 180.910 and 180.930, with a limit of up to 30% in a pesticide formulation.

Product Stewardship

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

Additional Safety Information

A Safety Data Sheet (SDS) is available upon request.



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