



TECHNICAL DATA SHEET
LITTLE FALLS PLANT – MN/US
VERSION 1.0
09/05/2025

Generic Name: PENTAERYTHRITOL TETRAISOSTEARATE (PTIS)

CAS Number: 62125-22-8

EINECS Number: 263-423-1

PRODUCT DESCRIPTION/APPLICATION

NUOL PTIS (Pentaerythritol tetraisostearate) is a synthetic compound used as an emollient, skin conditioning agent, and viscosity-increasing agent in cosmetic products.

SPECIFICATION

Appearance.....	Colorless
Water content.....	323 ppm
Sap index.....	185 mg KOH/g
Acid index.....	0,81 mg KOH/g
Hydroxyl index.....	9,4 mg KOH/g
Iodine index.....	4,8 g/100g

PRODUCTION PROCESS

NUOL PTIS is synthesized via esterification isomerized fatty acid and pentaerythritol at temperature 230 to 270°C. Releasing water as a subproduct. This process is conducted under controlled conditions to ensure high yield and purity.

HANDLING PRECAUTIONS:

Not hazardous substance or mixture.

Avoid spillage, inhalation and contact with eyes and skin.

Keep well closed.

Store in dry, ventilated and cool areas.

SHIPPING CLASSIFICATION

NUOL PTIS (using renewable raw materials), Non-hazardous material.

REGULATORY STATUS

The components of this material are listed on the U.S. TSCA Inventory and the Canadian Domestic Substance List.

DELIVERY FORM

Liquid in road tanker, rail tank wagon, ISO-container, flex tank, IBC-container or 188 kgs net in steel drums.

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