



SPELL 800 POLYGLYCEROL POLYRICINOLEATE - SPECIFICATION SHEET

Revision Date: 01/04/2026

DESCRIPTION

SPELL 800 Polyglycerol Polyricinoleate is an ester derived from esterification of polymerized glycerol with edible fatty acids.

PHYSICAL/CHEMICAL SPECIFICATION

Lipid Source: Castor Oil

Raw Material: Ricinoleic Acid, Polyglycerol

Colour & State: Yellowish Viscous Liquid

Assay: Di-, Tri- & Tetraglycerol > 75%

Heptaglycerol & greater < 10%

Acid Value: Max. 6 mgKOH/g

Iodine Value: 72-103

Hydroxyl Value: 80-100

Refractive Index: 1.4630-1.4667

Saponification Value: 170-200 mgKOH/g

MICROBIOLOGICAL SPECIFICATION

Total plate count max. 5,000 /g

Yeast and mould max. 100 /g

Coliforms absent in 0.1 g

Salmonella absent in 25 g

HEAVY METALS

Arsenic (As): Max. 3 mg/kg

Cadmium (Cd): Max. 1 mg/kg

Lead (Pb): Max. 2 mg/kg

Mercury (Hg): Max. 1 mg/kg

APPLICATION

FOOD

Improves fat dispersion and stable emulsion in Low fat spreads

Viscosity reduction & cocoa butter reduction in Chocolates

Controlled chocolate thickness in Compound coatings

Pan release & tin greasing applications

NON FOOD

Works as an emulsifier and a skin conditioner in cosmetics and personal care products.

GMO INFORMATION

Non-GMO Product.



ALLERGEN DECLARATION

Allergens

- X Cereals containing gluten
- X Crustaceans
- X Eggs
- X Fish
- X Peanuts
- X Soybeans
- X Milk (including lactose)
- X Nuts
- X Celery
- X Mustard
- X Sesame seeds
- X Sulphur dioxide and sulphites (>10 mg/kg)
- X Lupin
- X Molluscs

According to Regulation (EU) No 1169/2011, wheat based glucose syrups including dextrose and products thereof as well as fully refined soybean oil and fat and products thereof are exempt from allergen labelling requirements.

PACKAGING & SHELF LIFE

20/200 kg HDPE Cans & IBC packing

The recommended shelf life of packaged **SPELL 800 PGPR** is two years from production date.

STORAGE CONDITIONS

Product to be stored on pallets away from walls in clean, cool and dry conditions and shall not be subjected to direct sunlight and foreign odours. Storage temperature - 20°C. No guarantee for open packages.

QUALITY CERTIFICATIONS

FSSC 22000, RSPO MB, Halal, Kosher, Fssai