

Food Grade Statement
(PPS446, Rev. 1.0, 12/19, CWB)

Glycerin products sold by Greenfield Global USA Inc. are suitable for materials and articles intended to come into contact with food and use in food and beverage applications as specified in following regulations:

1. US FDA Code of Federal Regulations:

- 21CFR PART 169 – FOOD DRESSINGS AND FLAVORINGS. §169.175 Vanilla Extract.
- 21CFR PART 172 - FOOD ADDITIVES PERMITTED FOR DIRECT ADDITION TO FOOD FOR HUMAN CONSUMPTION. §172.811 Glyceryl tristearate.
- 21CFR PART 175 – INDIRECT FOOD ADDITIVES: ADHESIVES AND COMPONENTS OF COATINGS. §175.300 Resinous and polymeric coatings. §175.320 Resinous and polymeric coatings for polyolefin films.
- 21CFR PART 176 - INDIRECT FOOD ADDITIVES: PAPER AND PAPERBOARD COMPONENTS. §176.210 Defoaming agents used in the manufacture of paper and paperboard.
- 21CFR PART 177 – INDIRECT FOOD ADDITIVES: POLYMERS. §177.1390 Laminate structures for use at temperatures of 250 deg. F and above. §177.2420 Polyester resins, cross-linked. §177. 2800 Textiles and textile fibers.
- 21CFR PART 178 – INDIRECT FOOD ADDITIVES: ADJUVANTS, PRODUCTION AIDS, AND SANITIZERS. §178.3500 Glycerin, synthetic.
- 21CFR Part 182 – SUBSTANCES GERNALLY RECOGNIZED AS SAFE. Subpart B--Multiple Purpose GRAS Food Substances §182.1320 Glycerin. §182.90 Substances migrating to food from paper and paperboard products.

2. European Union Regulations:

- Regulation (EC) No 1333/2008 - Glycerol is listed Annexes II and III of the Union List of food additives approved for use in food additives, food enzymes, food flavorings, and nutrients and their conditions of use.
- Commission Regulation (EU) 10/2011 – Glycerol is listed in the latest version of Commission Regulation (EU) 10/2011 on plastic materials and articles intended to come in contact with food. Glycerol (FCM Substance No 103) is listed in ANNEX I, Union list of authorized monomers, other starting substances, macromolecules obtained from microbial fermentation, additives and polymer production aids. Use as additive or poly production aid (Table 1). There are no restrictions and/or specifications indicated.
- Resolution AP (2004)1 –Glycerol is included in A. LIST 1 OF MONOMERS of resolution AP (2004) 1 on coatings intended to come in contact with foodstuffs. There are no restrictions and/or specifications indicated.
- Swiss Ordinance 817.023.21 – Glycerol is listed in Annex 6, List of Solvents, List of Binders, and List of Additives, Part A: Evaluated Substances. There are no restrictions and/or specifications indicated.

In addition Glycerin is listed as:

- JECFA Food Additive: Glycerol
- JECFA Food Flavoring: 909 Glycerol
- FEMA Number: 2525
- FDA UNII: PDC6A3C0OX

Glycerin and Glycerin products are processed and packaged in a GMP and HACCP compliant facility. These products also meet the current Food Chemical Codex (FCC) criteria for Glycerin.