

PRODUCT REGULATORY SUMMARY

Glycerine 99.7% USP K

DATE: 04/09/2021

INCI

Glycerin

COMPOSITION

99.7% Glycerin (CAS No. 56-81-5)

ALLERGENS

Glycerine 99.7% USP K is not produced using nor expected to contain any of the 26 fragrance allergens listed in Annex III of Regulation (EC) No 1223/2009.

Additionally, Glycerine 99.7% USP K is not produced using nor expected to contain any of the common allergens listed below in accordance with Regulation (EU) No. 1169/2011 and the FDA Food Allergens Guidance.

- Cereals containing gluten and products thereof
- Crustaceans and products thereof
- Eggs and products thereof
- Fish and products thereof
- Peanuts and products thereof
- Soybeans and products thereof
- Milk and products thereof
- Tree nuts (walnuts, pecans, etc.) and products thereof
- Celery and products thereof
- Mustard and products thereof
- Sesame seeds and products thereof
- Sulfur dioxide and sulfites
- Lupin and products thereof
- Mollusks and products thereof

ANIMAL CONTENT

The origin and source or the raw materials used in the production of Glycerine 99.7% USP K are entirely natural. This product does not contain any raw materials produced from or derived from animal origin. The manufacturing process does not use any ingredient or animal origin nor is the product expected to come into contact with animal products during storage and transportation.

Therefore, we consider Glycerine 99.7% USP K to be free of Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).

ANIMAL TESTING

Barentz North America LLC does not perform, contract, or participate in animal testing with any of our products. Additionally, Glycerine 99.7% USP K has not been tested on animals by the manufacturer of this product.

COUNTRY OF ORIGIN

Glycerine 99.7% USP K is produced in Malaysia. Therefore, this product does not qualify for the United-States-Mexico-Canada Agreement (USMCA).

CARCINOGENS, MUTAGENS, TOXIC FOR REPRODUCTION (CMR)

Glycerine 99.7% USP K is not expected to contain any carcinogens, mutagens, or toxic for reproduction (CMR) substances outlined within Annex II of Council Directive 76/769/EEC.

FEEDSTOCK ORIGIN

Glycerine 99.7% USP K is manufactured using 100% natural source raw materials—palm fruits and palm kernel oil extracted from *Elaeis guineensis* (palm plant) using splitting and distillation.

FDA STATUS

Barentz North America LLC is registered with the United States FDA and is therefore subject to unannounced FDA compliance inspections.

FOOD GRADE

Glycerine 99.7% USP K complies with the US Pharmacopeia 42 and Food Chemical Codex (FCC) specifications. Glycerine 99.7% USP K is manufactured using Good Manufacturing Practices and is safe for its intended use in foods.

A copy of the manufacturer's current ISO 9001 Quality Management System Standards certificate and FSSC 22000 Food Safety Management certificate available upon request.

GLUTEN

Glycerine 99.7% USP K does not contain nor is it expected to come into contact with gluten or products containing gluten.

GLOBAL INVENTORY

To the best of our knowledge, Glycerine 99.7% USP K, with CAS number 56-81-5, is either exempt from or can be found as a positive listing on the chemical inventories listed below.

- Australia— Australian Inventory of Chemical Substances (AICS)
- Canada — Domestic Substances List (DSL)
- China — Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)
- Europe — European Inventory of Existing Chemical Substances (EINECS)
- New Zealand— New Zealand Inventory (NZIoC)
- The Philippines— Philippine Inventory of Chemicals and Chemical Substances (PICCS)
- South Korea— Korean Existing Chemicals List (KECI)
- Taiwan— Taiwan Chemical Substance Inventory (TCSI)
- United States— Toxic Substances Control Act Inventory (TSCA)

GENETICALLY MODIFIED ORGANISMS (GMO)

Glycerine 99.7% USP K is not manufactured using genetically modified organisms and the manufacturing process does not use raw materials or processing aids containing or derived from genetically modified material.

Therefore, Glycerine 99.7% USP K should be considered non-Genetically Modified (nGMO).

Certificate available upon request.

HALAL

Current certificate available upon request.

HEAVY METALS & ELEMENTAL IMPURITIES

None of the toxic elements—Cadmium, Hexavalent Chromium, Lead, or Mercury—are used as raw materials nor deliberately added during the manufacturing process of the product. With this in mind, Glycerine 99.7% USP K is expected to be free from the above-mentioned toxic elements. Any incidental amount would be expected to be less than 100 parts per million (ppm).

KOSHER

Current certificate available upon request.

MELAMINE

Glycerine 99.7% USP K is not a source for protein, therefore Glycerine 99.7% USP K should not be considered "at risk" for intentional adulteration with melamine. Melamine is not present as an ingredient, sub-ingredient, processing, or present on a production line at the manufacturing facility.

NANOMATERIAL

The use of nanomaterials or nanotechnology is not utilized during the manufacture of Glycerine 99.7% USP K.

NUTRITION FACTS

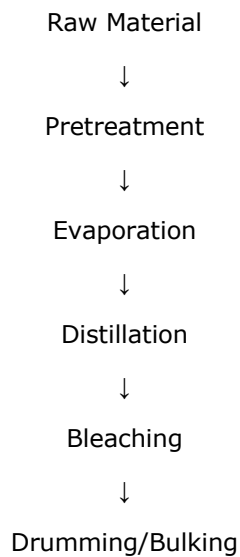
Per 100 grams

Calories (kcal)	382
Total Fat (g)	0.2
Saturated Fat (g)	<0.1
Trans Fat (g)	<0.1
Total Carbohydrates (g)	95.0
Dietary Fiber (g)	<0.1
Total Sugar (g)	<0.1
Added Sugars (g)	<0.1
Protein (g)	<0.1
Cholesterol (mg)	<1.0
Sodium (mg)	1.2
Calcium (mg)	1.5
Iron (mg)	<0.1
Potassium (mg)	1.5
Vitamin D (mcg)	<5.0

PESTICIDE

While Glycerine 99.7% USP K is not routinely tested for pesticides or aflatoxins, based upon knowledge of the manufacturing process and handling of raw materials and finished products, pesticide and aflatoxin contamination is not considered a risk in Glycerine 99.7% USP K.

PROCESS FLOW CHART



PROPOSITION 65

Glycerine 99.7% USP K is not expected to contain any substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under California Proposition 65, Safe Drinking Water and Toxic Enforcement Act of 1986 as of March 19, 2021.

PHthalATES

Glycerine 99.7% USP K and packaging used for this product is not manufactured using phthalates and does not contain phthalates, including, but not limited to, DEHP, DINP, DNOP, DIDP, DBP, and BBP.

REACH REGULATION (EC) No 1907/2006

Glycerine 99.7% USP K is obtained from natural sources, and is therefore exempt from REACH registration in accordance with Annex V, entry 9 of EC 987/2008.

RSPO STATUS

While the manufacturer of Glycerine 99.7% USP K and Barentz North America LLC are members of the Roundtable on Sustainable Palm Oil (RSPO), the palm used in the production of Glycerine 99.7% USP K is not RSPO certified.

RSPO grade of this product is available—contact your Barentz account manager for more information.

SUBSTANCES OF VERY HIGH CONCERN (SVHC)

None of the substances contained in the Candidate List of Substances of Very High Concern (SVHC) as of January 19, 2021 are intentionally used nor added in the manufacture of Glycerine 99.7% USP K.

Because the presence of the substances in the Candidate List are not expected under normal conditions, the absence has not been checked by tests.

VEGAN

Because Glycerine 99.7% USP K is manufactured without the use of any ingredients of animal origin, it is considered vegan friendly.

DISCLAIMER

The information contained in this document is based upon data obtained from the manufacturer. This information is offered only as a guide to the handling of this specific material and conditions. The use and handling of this material may require alternate and additional considerations. No representation or warranty of any kind whatsoever is given or implied by Barentz North America LLC with respect to any information contained herein. In no event or circumstance shall Barentz North America LLC be liable for any damages, losses, liabilities or injuries of any kind whatsoever arising from any information contained herein including, without limitation, all indirect, special or consequential damages or losses which may result from the information contained herein.