



Material Safety Data Sheet

Section 1: Chemical Product and Company Information

Product Name: Nutrovape B12 Complex

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Section 2: Composition and Information on Ingredients

Ingredients: Vegetable Glycerin, Propylene Glycol, Vitamin B12, Vitamin B-6, Vitamin B-2, Vitamin B-1, Natural and Artificial Flavorings

Mixture: Bottles contain less than or equal to the concentration printed on the label. Main ingredients are Propylene Glycol, and Vegetable Glycerin. Propylene Glycol and Vegetable Glycerin are both inert and GRAS (generally regarded as safe) by the USFDA (US Food and Drug Administration). There is no nicotine (0.0 mg/ml or 0% by volume).

Section 3: Hazards and Identification

Emergency Overview: Avoid contact with eyes (irritant) and skin contact (irritant).

Section 4: First Aid Measures

Eyes: Flush eyes with water or eye wash solution for 15 minutes, lifting lower and upper eyelids occasionally.

Skin: Wash skin with soap and water. Remove any soiled clothing and wash thoroughly before reuse.

Ingestion: rinse mouth thoroughly.

Seek medical attention if needed.

Section 5: Firefighting Measures

Fire Fighting Media and Instructions: Wear full protective equipment and self-contained breathing apparatus with independent air circulation if a large amount of material is exposed to fire. Containers exposed to fire or high temperatures may release toxic fumes.

Flash Points: Vegetable Glycerin: Closed Cup, 160°C (320°F), Open Cup, 177°C (351°F)
Propylene Glycol: Closed Cup, 99°C (210°F), Open Cup 107°C (225°F)

Section 6: Accidental Release Measures

Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill: Eliminate all ignition sources. Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Section 7: Handling and Storage

Keep out of reach of children. Keep in manufacturing container. Do not tamper with the manufacturing label. Avoid contact with skin and eyes.

Section 8: Exposure Controls/Personal Protection

If handling large quantities, handle with appropriate protective equipment.

Eye/Face Protection: Wear protective glasses or goggles.

Skin Protection: Wear rubber or protective gloves and liquid resistant clothing.

Section 9: Physical and Chemical Properties

Physical State and Appearance: Oily liquid

Odor: Varies by flavor. Generally smells like the flavor on the manufacturing label. Can smell like natural and artificial flavoring.

Taste: Acrid

Color: Varies by flavor. Generally colorless to slightly colored, though can be much darker and non-transparent.

Section 10: Stability and Reactivity

Chemical Stability: This product is stable under normal conditions.

Conditions of Instability: Heat, fire, or other ignition sources and incompatible materials.

Section 11: Toxicology Information

Routes of Entry: Absorbed through skin, inhaled, ingested, eye contact.

Toxicity to Animals: Propylene Glycol: Oral toxicity (LD50) in rats (8 to 46 g/kg of body weight), mice (25 to 32 g/kg), and guinea pigs (18 to 20 g/kg).

Section 12: Ecological Information

Environmental Exposure Controls: Should not be allowed to reach large quantities of ground water, sewage, waste water or soil.

Section 13: Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

Section 14: Transportation Information

Liquids – handle with care

Non-DG – Material contents are not Dangerous Goods and can be transported on both passenger and cargo aircraft according to applicable international and National Government Regulations and International Air Transport Association (IATA) guidelines and regulations.

Section 15: Regulatory Information

Not currently regulated by the USFDA.