



Specification

Product Name: Vegetable Glycerine

Product Code: SPEC0060

Description:

Our Vegetable Glycerine is premium quality USP pharma food grade. Also known as Vegetable Glycerol. Ideal for various food applications, floral waters, e-liquids, makeup, hair and skin products. It can also aid the bonding of oils & blends so that they perfectly combine. Vegetable Glycerine is a colourless, sweet liquid extracted from coconut and palm oil which is added to creams, lotions, bath salts and other formulations to give additional moisturisation. It is added to skin and hair care products and soap making as a lubricant and preservative. Our Vegetable Glycerine is 99.9% pure (as pure as it gets). Supplied in a tamper-evident container.

Specifications:

Property	Range	Method
Glycerine assay	99.5 – 101.0% (m)	E422 and BP/EP
Acrolein formation on heating (Id A)	Complies	E422
Specific gravity (25/25 deg C) (Id B)	1.257 min	E422
Refractive index @ 20 °C (Id C)	1.471 – 1.474	E422 and BP/EP
Water	0.5 % max	BP/EP
Colour	10 max	APHA
Sulphated ash	0.01 % max	E422 and BP/EP
Butanetriols	0.2 % max	E422
Acrolein, glucose, and ammonium cmpds	Complies	E422
3-MCPD	Complies	E422
Fatty acids and esters (as butyric acid)	0.1 %	E422
Chlorinated compounds	30 ppm max	E422
Arsenic	3 mg/kg max	E422
Lead	2 mg/kg max	E422
Mercury	1 mg/kg max	E422
Cadmium	1 mg/kg max	E422
Heavy metals ppm	5 mg/kg max	E422 and BP/EP
Identifications A, B, C and D	Complies	BP/EP

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Appearance of solution	Complies	BP/EP
Acidity and alkalinity (0.1M NaOH)	0.2 ml max	BP/EP
Aldehydes	10 ppm max	BP/EP
Esters (0.1MHCl)	8.0 ml min	BP/EP
Impurity A and related substances	Complies	BP/EP
Halogenated compounds	35 ppm max	BP/EP
Sugars	Complies	BP/EP
Chlorides	10 ppm max	BP/EP

Free from BSE / TSE risk material. Vegetable Glycerine has not been irradiated.
Complies with BP/EP. Food approved E422 according to EC directives 2008/84/EC.

Ingredients:

Vegetable Derived Glycerine 99.9%

Dietary Information:

Suitable for Vegans & Vegetarians, Non-GMO, Non-Irradiated.

Nutritional Information:

Based on typical content/100g: Energy: 1700kj/ 400kcal, Fat: 0g, Carbohydrate: 100g, Of which sugars: 0g, Protein: 0g, Salt: 0g.

Storage:

Store in dry, cool conditions and not in direct sunlight.

Packaging:

Size	EAN
1 Litre	5060341114717
5 Litre	5060341114724
1000 Litre IBC	5056191008320

Shelf Life:

24 months from production date.

Allergen Declaration

Allergen	Contains (Y/N)
Cereals containing Gluten	N
Crustaceans	N
Eggs	N
Fish	N
Peanuts	N
Soybeans	N
Milk	N
Nuts	N
Celery	N

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Mustard	N
Sesame Seeds	N
Sulphur Dioxide and Sulphites (at concentration of more than 10mg/kg or 10mg/L in terms of Sulphur Dioxide)	N
Lupin	N
Molluscs	N

Material Safety Data Sheet

1: Substance/Preparation and Company Identification:

1.1 – Product Identifier:

Product Name: VEGETABLE GLYCERINE

Product Code: SPEC0060

CAS number: 56-81-5

INCI name: Glycerine

REACH Registered Number(s): Exempt from REACH according to Annex V.

1.2 – Relevant identified uses of the substance or mixture and uses advised against.

1.3 – Details of the supplier of the safety data sheet

Supplier: Special Ingredients Ltd, 4 Foxwood View, Chesterfield, S41 9RN. Tel: 0044 (0)1246 906247. E-mail address: <https://specialingredients.co.uk/pages/contact>, Emergency Telephone Contact: 07701 095864.

2: Hazard Identification:

2.1 – Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2 – Label elements

Label elements: This product has no label elements.

2.3 – Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

3: Composition/information on ingredients:

3.1 - Substances

Chemical Identity: Vegetable Glycerine

CAS number: 56-81-5

EINECS number: 200-289-5

REACH registered number(s): Exempt from REACH according to Annex V.

Contains: Glycerine

4: First Aid Measures:

4.1 – Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

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Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

4.2 – Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

4.3 – Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

5: Firefighting Measures:

5.1 – Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.
Use water spray to cool containers.

5.2 – Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3 – Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6: Accidental Release Measures:

6.1 – Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to Section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 – Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 – Methods and material for containment and cleaning up

Clean-up procedure: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 – Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

7: Handling And Storage:

7.1 – Precautions for safe handling

7.2 – Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3 Specific end use(s)

Specific end use(s): No data availability.

8: Exposure Controls/ Personal Protection:**8.1 – Control parameters**

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL/PNEC: No data available.

8.2 – Exposure controls

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9: Physical and Chemical Properties:**9.1 – Information on basic physical and chemical properties**

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Solubility in water: Miscible in all proportions.

Viscosity: Highly viscous

Boiling point/range°C: 290

Flash point: 177

9.2 – Other information

No data available.

10: Stability and Reactivity:**10.1 - Reactivity**

Reactivity: Stable under recommended transport or storage conditions.

10.2 – Chemical Stability

Chemical Stability: Stable under normal conditions.

10.3 – Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 – Conditions to avoid

Conditions to avoid: Heat

10.5 – Incompatible materials

Materials to avoid: Strong, oxidising agents. Strong acids.

10.6 – Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

11: Toxicological Information:

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11.1 Information on toxicological effects

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be irritation of the throat.
Inhalation: No symptoms.

12: Ecological Considerations:

12.1 - Toxicity

Ecotoxicity values: No data is available.

12.2 – Persistence and degradability

Persistence and degradability: Biodegradable

12.3 Bio-accumulative potential

Bio-accumulative potential: No bio-accumulation potential.

12.4 – Mobility in soil

Mobility: Readily absorbed into soil.

12.5 – Results of PBT and vPvB assessment

PBT Identification: This product is not identified as a PBT/vPvB substance.

12.6 – Other adverse effects

Other adverse effects: Negligible ecotoxicity

13: Disposal Considerations:**13.1 – Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The users attention is drawn to the possible existence of regional or national regulations regarding disposal.

14: Transport Information:**14.1 – Transport class**

Transport class: This product does not require a classification for transport.

15: Regulatory Information:**15.1 – Safety, health and environmental regulations/legislation specific for the substance or mixture**

Specific regulations: Listed on the following chemical inventories: AICS Australia; DSL/NDSL Canada; EINECS/ELINCS/NLP Europe; ENCS Japan; IECSC China; KECL/ecl Korea; IECSC China; NxloC New Zealand; PICCS Phillipines; TSCA USA.

15.2 – Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16: Other Information:

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. We do not accept any liability whatsoever, however arising, which results directly or indirectly from the use of the product.