



SAFETY DATA SHEET

Diluent – 50% monopropylene glycol, 50% glycerol

Page 1 of 4

Compilation date: 18/12/2015

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Diluent PG50/VG50
CAS number: Not Applicable (Mixture)
EINECS number: Not Applicable
Product code: AA50PG/50VG####
Synonyms: 50/50 Diluent

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

Identified uses: For use only in an electronic cigarette
Users advised against: Not to be applied to skin, or ingested

1.3. Details of the supplier of the safety data sheet

Company name: Decadent Vapours Ltd
Unit 12 Llwyn Y Graig
Garn Goch Ind Est
Gorseinon
Swansea
SA4 9WG
Tel: +44 (0) 1792 773339
Email: info@decadentvapours.com

1.4. Emergency telephone number

Emergency contact: rhydian.mann@decadentvapours.com

Section 2: Hazards 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 substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.1 Substances

Chemical identity:			Composition:	
Name	Propylene glycol	CAS 57-55-6	≤ 50%	
Name	Glycerol	CAS 56-81-5	≤ 50%	
Toxicological data on ingredients:				
	Propylene Glycol:	1,500mg/kg (causes adverse reactions, no LD ⁵⁰ known)		
	Glycerol:	10,000mg/kg (NOEL level, no LD ⁵⁰ known)		

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash skin with plenty of water.
Eye contact: Rinse immediately with copious amounts of water. If irritation or discomfort persists, seek medical attention.
Ingestion: Only when conscious, rinse mouth out. Obtain medical attention if adverse symptoms occur.
Inhalation: Move affected person from exposure. High vapour concentration unlikely owing to physical properties. Avoid inhalation of mist.

SAFETY DATA SHEET

Diluent – 50% monopropylene glycol, 50% glycerol

Page 2 of 4

Compilation date: 18/12/2015

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 soreness and redness of the mouth and throat. May be intoxicating with high levels of ingestion.
Inhalation: No symptoms.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures**5.1. Extinguishing media**

Extinguishing media: Water fog. Carbon dioxide. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Special hazards: Not applicable.

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.

Section 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions: Isolate the area.

6.2 Environmental precautions

Environmental precautions: Contain liquid to prevent contamination of soil, surface water or ground water.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Small spills: Clean up with absorbent material. Collect material in suitable and properly labelled open containers. Dispose of according to applicable regulations. Large spills: Contain with dike. Pump into suitable and properly labelled containers. Recover if possible, or dispose of according to applicable regulations.

6.4 Reference to other sections

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

Section 7: Handling and storage**7.1. Precautions for safe handling**

Precautions for safe handling: Not applicable.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Hygroscopic. Air and light sensitive.

7.3. Specific end use(s)

Specific end use(s): For use only in electronic cigarettes

Section 8: Exposure controls/personal protection**8.1. Control parameters****Components with workplace control parameters:**

Component	CAS No.	Value	Control parameters	Basis
Propylene glycol	57-55-6	None applicable.		
Glycerol	56-81-5	Eight hour TWEL 10 mg/m ³ (mist)		

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.
Respiratory protection: Respiratory protection not required.
Hand protection: Protective gloves.
Eye protection: Safety glasses.
Skin protection: Protective clothing.

SAFETY DATA SHEET

Diluent – 50% monopropylene glycol, 50% glycerol

Page 3 of 4

Compilation date: 18/12/2015

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State: Liquid.
Colour: Colourless.
Odour: Barely perceptible odour.
Solubility in water: Soluble.

9.2 Other information

Other information: Not applicable.

Section 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: Direct sunlight. Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products: Not applicable.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: Acute Toxicity – Propylene Glycol
Ingestion: LD₅₀, rat >20,000 mg/kg.
Dermal: LD₅₀, rabbit >2,000 mg/kg
Inhalation: No deaths occurred at this concentration.
LC₅₀, 2 h, Aerosol, rabbit 317.042 mg/l
Acute Toxicity – Glycerol
Low toxicity and considered non-hazardous to humans.

11.2. 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 soreness and redness of the mouth and throat.
Inhalation: No symptoms.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Material is practically non-toxic to aquatic organisms on an acute basis (LC₅₀/EC₅₀/EL₅₀/LL₅₀ >100 mg/l in the most sensitive species where data was available..

12.2. Persistence and degradability

Persistence and degradability: Material is readily biodegradable. Biodegradation may occur under aerobic and/or anaerobic conditions (in the presence and/or absence of oxygen).

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioconcentration potential is low (BCF <100 or Log Pow <3).
Partition coefficient, n-octanol/water (log Pow): -1.07
Bioconcentration Factor (BCF): 0.09.

SAFETY DATA SHEET

Diluent – 50% monopropylene glycol, 50% glycerol

Page 4 of 4

Compilation date: 18/12/2015

12.4. Mobility in soil

Mobility in soil: The components are all 100% miscible with water and will remain in the water phase.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: No other adverse effects

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations: Deposit into or on to land (e.g. landfill, etc.)

Disposal of packaging: Dispose of as normal industrial waste.

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

Section 14: Transport information

14.1 Transport information

Transport class: This product is not classified for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

SHE regulations/legislation: Not applicable.

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.

Section 16: Other information

16.1 Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 435/2010.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.