



## SAFETY DATA SHEET

Diluent – 50% aqueous glycerine, 50% monopropylene glycol

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 AG50/PG50  
**CAS number:** Not Applicable (Mixture)  
**EINECS number:** Not Applicable  
**Product code:** AA50PG/50AG####  
**Synonyms:** AG/ PG 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](mailto:info@decadentvapours.com)

#### 1.4. Emergency telephone number

**Emergency contact:** [rhydian.mann@decadentvapours.com](mailto: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	Deionised Water	CAS 7789-20-0		< 15%	
Name	Glycerol	CAS 56-81-5		> 85%	
Name	Propylene glycol	CAS 57-55-6		> 50%	
Toxicological data on ingredients:					
Propylene Glycol:		1,500mg/kg (causes adverse reactions, no LD <sup>50</sup> known)			
Glycerol:		10,000mg/kg (NOEL level, no LD <sup>50</sup> known)			
Deionised Water:		Not Applicable			

### 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

## SAFETY DATA SHEET

Diluent – 50% aqueous glycerine, 50% monopropylene glycol

Page 2 of 4

Compilation date: 18/12/2015

properties. Avoid inhalation of mist.

### 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:**

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

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.  
**Respiratory protection:** Respiratory protection not required.

## SAFETY DATA SHEET

Diluent – 50% aqueous glycerine, 50% monopropylene glycol

Page 3 of 4

Compilation date: 18/12/2015

**Hand protection:** Protective gloves.  
**Eye protection:** Safety glasses.  
**Skin protection:** Protective clothing.

### 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: LD<sub>50</sub>, rat >20,000 mg/kg.  
Dermal: LD<sub>50</sub>, rabbit >2,000 mg/kg  
Inhalation: No deaths occurred at this concentration.  
LC<sub>50</sub>, 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 (LC<sub>50</sub>/EC<sub>50</sub>/EL<sub>50</sub>/LL<sub>50</sub> >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).

## SAFETY DATA SHEET

Diluent – 50% aqueous glycerine, 50% monopropylene glycol

Page 4 of 4

Compilation date: 18/12/2015

Partition coefficient, n-octanol/water (log Pow): -1.07  
Bioconcentration Factor (BCF): 0.09.

### 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.