# ORIGINAL GLAZED

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

**1.1. Product identifier**

**Trade name** ORIGINAL GLAZED

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

**Relevant Identified uses** For use in electronic cigarettes only.

**1.3. Details of the supplier of the safety data sheet**

Xyfil Ltd
15-19 Sedgwick Street
Preston
PR1 1TP
**E-mail:** info@xyfil.com
**Telephone:** +44(0)1772 888 778

**1.4. Emergency telephone number**

**Emergency Tel:** +44(0)1772 888 778 – Mon to Fri 9:00am to 5:00pm

## SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 (CLP)

| Hazard Class | Category | Hazard Class and category | Hazard Code |
|---|---|---|---|
| Sensitisation, Skin | Cat. 1 | Skin Sens. 1 | H317 |

*Remarks: For full text of H-Phrases: See SECTION 16.*

**2.2. Label elements**

Labelling according to Regulation (EC) No 1272/2008 (CLP)

**Signal Word** **Warning**

**Hazard Pictograms** GHS07

**Hazard Statements**

H317 May cause an allergic skin reaction.

**Precautionary Statements**

**Precautionary statements – General**

P102 Keep out of reach of children.

**Precautionary Statements – Prevention**

P264 Wash hands thoroughly after handling.

**Precautionary Statements – Response**

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

**Precautionary Statements – Disposal**

P501 Dispose of contents, container in accordance with local regulation.

**Contains:** Furaneol

**EUH-Statement:**

**2.3. Other hazards**

The mixture does not meet the criteria for classification as a PBT or vPvB.

## SECTION 3: Composition/information on ingredients

**3.1. Substances**

This product is a mixture.

**3.2. Mixtures**

Composition / information on ingredients

| Name of substance | CAS No | EC No | Wt % | Classification acc. to 1272/2008/EC | Pictograms |
|---|---|---|---|---|---|
| Glycerol | 56-81-5 | 200-289-5 | 50-<75 | Not Classified | None |
| Propylene Glycol | 57-55-6 | 200-338-0 | 25-<50 | Not Classified | None |
| Ethanol | 64-17-5 | 200-578-6 | ≤ 3 | Flam. Liq. 2, H225 | GHS02 |
| Furaneol | 3658-77-3 | 222-908-8 | ≤ 0.5 | Acute Tox. 4, H302<br>Skin Corr. 1B, H314 | GHS05<br>GHS07 |

| | | | | | |
|---|---|---|---|---|---|
| | | | | Skin Sens. 1A, H317<br>Eye Dam. 1, H318 | |

*Note: For full text of abbreviations: Sec SECTION 16.*
*Substances that are on the so-called "Candidate List of Substances of Very High Concern (SVHC) for authorization" of the European Chemicals Agency (ECHA) are not deliberate components of this product. It is therefore not to be expected that those substances will be present in the product in quantities of> 0.1%.*

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

**General notes**
Remove contaminated clothing immediately. Get medical attention if health problems occur.

**Following inhalation**
Supply fresh air. If the product irritates the respiratory tract: Consult a doctor.

**Following skin contact**
Wash off with plenty of water and soap, rinse.

**Following eye contact**
Remove contact lenses. Rinse immediately with plenty of water with the eyelid held wide open for at least 15 minutes. Possibly. Consult an ophthalmologist.

**Following ingestion**
Immediately rinse the mouth vigorously. Drink a lot of water (200 - 300 mL) in small sips (dilution effect). Avoid vomiting. No attempts at neutralization.

**4.2. Most important symptoms and effects, both acute and delayed**
Acute effects can occur after short-term exposure (especially if large amounts are ingested or inhaled).

**4.3. Indication of any immediate medical attention and special treatment needed**
In the event of loss of consciousness: call a doctor.

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**

**Suitable Extinguishing Media**
Carbon dioxide, polymer foam; Dry powder. Water spray can be used to cool surfaces exposed to fire or can be applied directly to the fire, provided the risk of fire spreading is extremely low.

**Unsuitable Extinguishing Media**
Do not use a full jet of water to disperse and spread the fire.

**5.2. Special hazards arising from the substance or mixture**
In the event of fire, dangerous vapours / gases can arise: carbon monoxide, carbon dioxide.

**5.3. Advice for firefighters**

Staying in the area of danger only with respiratory protection device independent of circulating air. Cool endangered containers with water spray from a safe distance. Knock out escaping vapours with water. Pay attention to flashback. Prevent fire-fighting water from entering surface and ground water and soil. Avoid skin contact by wearing suitable protective clothing and by keeping a safe distance.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

**Information for personnel not trained for emergencies**: Avoid product contact and inhalation of the solvent vapours. Avoid skin contact by maintaining a safe distance or wearing suitable protective clothing.
**Instructions for emergency services:** Use protective equipment according to section 8.

**6.2. Environmental precautions**
Prevent product and large quantities of contaminated washing water from entering water and soil. Cover the sewage system to prevent the product from entering the sewage system.

**6.3. Methods and material for containment and cleaning up**

**For larger quantities:** Pump off the product.
**In the case of remnants:** Limit leaked material with neutralizing and non-flammable absorbent and collect for disposal according to local regulations in the containers provided.
Take up small quantities (up to approx. 1 L) with plenty of water, dispose of water in the sewage system.

**6.4. Reference to other sections**
Observe protective measures under section 7, 8 and 13.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
Advice for safe handling:

Do not leave the containers open.
General hygiene measures:

Do not eat, drink or smoke in areas where work is done. Wash hands after use. Remove contaminated clothing and protective equipment before entering areas where people eat.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in cool, dry and well-ventilated area. Keep containers tightly closed. Protect from low temperatures, frost, direct sunlight or high temperatures. Ideal storage temperature range: between 20 to 25 degrees Celsius.

### 7.3. Specific end use(s)

As far as possible, keep only in the original packaging. Other suitable containers: steel drums; Aluminium containers, glass containers and high-density polyethylene (HDPE). Some types of rubber and plastics (low density polyethylene) are attacked by the product.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

National Limit values

Workplace Exposure Limits (Occupational Exposure Limit)

| Country | Substance | CAS No. | Limit value-8 hours (TWA) | | Limit value-15 min (STEL) | |
|---|---|---|---|---|---|---|
| | | | ppm | mg/m³ | ppm | mg/m³ |
| GB | Glycerol | 56-81-5 | | 10 | | |
| GB | Propylene Glycol | 57-55-6 | 150 | 474 | - | - |
| GB | Ethanol | 64-17-5 | 1000 | 1920 | - | - |

*TWA:* *Time-Weighted Average (Long-term exposure limit): measured or calculated in relation to a reference period of 8 hours-time weighted average.*

*STEL:* *Short-Term Exposure Limit: a limit value above which exposure should not occur and which is related to a 15-min period unless otherwise specified.*

### 8.2. Exposure controls

**Engineering Measures**

**Suitable technical control devices**

Technical measures and the use of suitable working methods have priority over the use of personal protective equipment. Ensure good ventilation. This can be achieved by local extraction or general exhaust air.

**Personal protective equipment:**

Personal protective equipment should be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances.

**Eye/face protection**

Use safety glasses with side shields in accordance with EN 166: 2001. Make sure that the eye wash is easily accessible.

**Skin protection**

**Hand Protection**

Wear solvent and alkali resistant protective gloves according to EN 374.

| | |
|---|---|
| Suitable material: | Nitrile rubber |
| Thickness: | 0.16 mm |
| Breakthrough time: | ~ 30 min |

**Other**

Suitable protective clothing: Lab apron or other working clothes.

**Respiratory Protection**

Not normally required under normal conditions of use and with adequate ventilation. Formation of mist or fumes must be avoided. Respiratory protection must be used if there is a risk of fumes or misting. Particle filter class P1 (EN143). Gas/vapour filter Type A: organic vapours (EN141).

**Environmental Exposure Controls**

See sections 6 and 7.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Appearance | : | Liquid form |
| Odour | : | Characteristic odour |

| | | |
|---|---|---|
| Odour threshold | : | No data available currently. |
| pH | : | No data available currently. |
| Melting point/freezing point | : | No data available currently. |
| Boiling point | : | No data available currently. |
| Flash Point(°C) | : | > 65 °C |
| Evaporation Rate | : | Negligible |
| Flammability limits % lower | : | No data available currently. |
| Flammability limits % Upper | : | No data available currently. |
| Vapour Pressure | : | No data available currently. |
| Vapour density | : | No data available currently. |
| Relative density | : | No data available currently. |
| Solubility (Water) | : | Soluble |
| Solubility (Benzene) | : | Soluble |
| Solubility (Acetone) | : | Soluble |
| Solubility (Ethanol) | : | Soluble |
| Partition Coefficient n-Octanol/Water (Glycerol) | : | -1.75 at 25 °C |
| Partition Coefficient n-Octanol/Water (Propylene Glycol) | : | -1.07 at 20 °C |
| Auto Flammability(°C) | : | No data available currently. |
| Decomposition temperature | : | No data available currently. |
| Viscosity | : | Viscous |
| Explosive properties | : | No data available currently. |

**9.2. Other information**

No data available.

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

The product is chemically stable under normal ambient conditions (room temperature).

**10.3. Possibility of hazardous reactions**

When used as intended, no dangerous reactions are expected.

**10.4. Conditions to avoid**

Heat; hot surfaces; sources of ignition; flames; static discharge; moist air; humidity; moisture.

**10.5. Incompatible materials**

Strong acids; Strong alkalis; Strong oxidising agents.

**10.6. Hazardous decomposition products**

In combustion emits toxic fumes of carbon dioxide/carbon monoxide or acrolein. In a fire may liberate acrid and irritant fumes.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Acute Toxicity: Mixture**

There are no toxicological findings for the mixture.

**Acute Toxicity: Components of Mixture**

| Name of substance | CAS No | Acute Toxicity Data | | |
|---|---|---|---|---|
| | | Oral (LD50) | Dermal (LD50) | Inhalation (LC50) |
| Glycerol | 56-81-5 | Rat: 27,200 mg/kg | Guinea pig: 56,750 mg/kg | - |
| Propylene Glycol | 57-55-6 | Rat: 22 000 mg/kg bw | Rabbit: 20,800 mg/kg bw | - |
| Ethanol | 64-17-5 | Rat: 10470 mg/kg | - | Rat: 125mg/l 4h |
| Furaneol | 3658-77-3 | Rat: 2320 mg/kg bw | - | - |

**Skin Corrosion/Irritation**

Based on the available data, the classification criteria are not met.

**Serious Eye Damage/Eye Irritation**

Based on the available data, the classification criteria are not met.

**Respiratory or Skin Sensitisation**

May cause an allergic skin reaction.

**Germ Cell Mutagenicity**
The mixture is not classified. The mixture does not contain any substances that are classified as mutagenic.
**Carcinogenicity**
The mixture is not classified. The mixture does not contain any substances that are classified as carcinogenic.
**Reproductive Toxicity**
The mixture is not classified. The mixture does not contain any substances that are classified as toxic to reproduction.
**Specific Target Organ Toxicity -Single Exposure (STOT-SE)**
Based on the available data, the classification criteria are not met.
**Specific Target Organ Toxicity-Repeated Exposure (STOT-RE)**
Based on the available data, the classification criteria are not met.
**Aspiration Hazard**
Based on the available data, the classification criteria are not met.

## SECTION 12: Ecological information

**12.1. Toxicity**
No data available.
Based on the available information, substance/mixture does not fulfil the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.
**Toxicity: Components of Mixture**

| Name of substance | CAS No | Short-Term Toxicity | | Long-Term Toxicity | Toxicity to |
|---|---|---|---|---|---|
| | | Fish (LC50) | Aquatic Invertebrates (EC50/LC50) | Aquatic Invertebrates (EC10, LC10 or NOEC) | Algae & Cyanobacteria (EC50) |
| Glycerol | 56-81-5 | 54000 mg/l-96 h | 1 955 mg/L-48h | - | 2 900 mg/L-28 d |
| Propylene Glycol | 57-55-6 | 40613 mg/l-96 h | 18 340 mg/L-96h | 13 020 mg/L-7d | 19 000 mg/L-96h |
| Ethanol | 64-17-5 | 11200 mg/L-96 h | 5 012 mg/L | 9.6 mg/L-10d | 275 mg/L |
| Furaneol | 3658-77-3 | - | 6.8 mg/L-48h | - | 194.03 mg/L-72h |

**12.2. Persistence and degradability**
Degradability of components of the mixture

| Name of Substance | CAS No | Process | Degradation Rate | Time |
|---|---|---|---|---|
| Propylene Glycol | 57-55-6 | Oxygen consumption | 106.80% | 28 d |
| Propylene Glycol | 57-55-6 | CO2 Evolution | 81.70% | 28 d |
| Furaneol | 3658-77-3 | oxygen consumption | 97.0% | 28 d |

**12.3. Bio accumulative potential**
Data is not available.
Bioaccumulation Potential of components of the mixture:

| Name of Substance | CAS No | BFC | Log KOW | BOD5/COD |
|---|---|---|---|---|
| Glycerol | 56-81-5 | | -1.75 at 25 °C and pH 7.4 | |
| Propylene Glycol | 57-55-6 | | -1.07 at 20 °C | |
| Ethanol | 64-17-5 | | -0.35 at 20 °C | |
| Furaneol | 3658-77-3 | | 0.95 at 25 °C | |

**12.4. Mobility in soil**
No data available.
**12.5. Results of PBT and vPvB assessment**
The substances of this mixture do not meet the PBT / vPvB criteria of REACH Annex XIII
**12.6. Other adverse effects**
No data available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**
Very small quantities (say <20 ml) may be discharged into the drains provided it is diluted before discharge. Large quantities should be given to licensed disposal company.

**Recovery Operations**
No information available currently.
**Disposal of Packaging**
Contaminated containers can be treated as household waste provided, they are washed and cleaned with water. Where practical, containers and packaging should be recycled by a licensed contractor (note regional or national regulations).

## SECTION 14: Transport information

**14.1. UN number**
**ADR/RID: -** **IMDG: -** **IATA: -**

**14.2. UN proper shipping name**
**ADR/RID:** Not a dangerous goods
**IMDG:** Not a dangerous goods
**IATA:** Not a dangerous goods

**14.3. Transport hazard class(es)**
**ADR/RID: -** **IMDG: -** **IATA: -**

**14.4. Packing group**
**ADR/RID: -** **IMDG: -** **IATA: -**

**14.5. Environmental hazards**
**ADR/RID: -** **IMDG Marine pollutant** **IATA: -**

**14.6. Special precautions for user**
There is not additional information.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**
Not applicable.

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulation (EU) 2015/830
CLP Regulation 1272/2008 / EK
REACH Regulation 1907/2006 / EC
Council Directive 98/24 / EC of 7 April 1998 on the Protection of Health and Safety

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

## SECTION 16: Other information

**Abbreviations and Acronyms**

| | | |
|---|---|---|
| Abbr. | : | Descriptions of used abbreviations |
| Acute Tox. | : | Acute Toxicity |
| BOD | : | Biological Oxygen Demand |
| CAS | : | Chemical Abstract Service |
| CLP | : | Regulation (EC) No 1272/2008 on classification, labelling & packaging of substances |
| CMR | : | Carcinogenic, Mutagenic or Toxic for Reproduction |
| DMEL | : | Derived Minimal Effect Level |
| DNEL | : | Derived No-Effect Level |
| DOC | : | Dissolved Organic Carbon |
| GHS | : | Globally Harmonised System of classification and labelling of chemicals |
| IATA | : | International Air Transport Association |
| IMDG | : | International Maritime Dangerous Goods |
| LogKOW | : | n-Octanol/water |
| PNEC | : | Predicted No-effect Concentration |
| RID | : | International Carriage of Dangerous Goods by Rail |
| STEL | : | Short-Term Exposure Limit |
| TOC | : | Total Organic Carbon |
| TWA | : | Time Weighted Average |
| WEL | : | Workplace Exposure Limit |

**List of Hazard Codes and Hazard Statements**

| | | |
|---|---|---|
| H300 | : | Fatal if swallowed |
| H301 | : | Toxic if swallowed |
| H302 | : | Harmful if swallowed |

H304 : May be fatal if swallowed and enters airways
H310 : Fatal in contact with skin
H311 : Toxic in contact with skin
H312 : Harmful in contact with skin
H314 : Causes severe skin burns and eye damage
H315 : Causes skin irritation
H317 : May cause an allergic skin reaction
H318 : Causes serious eye damage
H319 : Causes serious eye irritation
H330 : Fatal if inhaled
H331 : Toxic if inhaled
H332 : Harmful if inhaled
H335 : May cause respiratory irritation
H336 : May cause drowsiness or dizziness
H371 : May cause damage to organs
H373 : Causes damage to organs through prolonged or repeated exposure
H225 : Highly Flammable liquid and vapor
H226 : Flammable liquid and vapor
H410 : Very toxic to aquatic life with long lasting effects
H411 : Toxic to aquatic life with long lasting effects
H412 : Harmful to aquatic life with long lasting effects

**Legal Disclaimer**

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