

**SAFETY DATA SHEET**  
**Taylor Made Designs (TMD) Hand Sanitiser Gel**

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

**1.1. Product identifier**

**Product name.** Taylor Made Designs (TMD) Hand Sanitiser Gel  
**Product number.** TMDGel60ml, TMDGel100ml, TMDGel500ml.

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

PT1 Human Hygiene Biocidal Product For full details regarding recommended uses please refer to the product label.

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

Taylor Made Designs UK Ltd,  
1 Ambassador Ind Est, Airfield Road, Christchurch, Dorset, BH23 3TG.  
[hello@taylormadedesigns.co.uk](mailto:hello@taylormadedesigns.co.uk) +44 (0)1202 473311

**1.4. Emergency telephone number**

Emergency telephone National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)  
National Poisons Information Centre (Eire) 01-8092566/8379964

**SECTION 2: Hazards identification**

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

**Classification (EC 1272/2008)**

<b>Physical hazards</b>	Flam. Liq. 2 - H225
<b>Health hazards</b>	Eye Irrit. 2 - H319
<b>Environmental hazards</b>	Not Classified

**2.2. Label elements**

Hazard pictograms



**Signal word**                      Danger

**Hazard statements**    H225 Highly flammable liquid and vapour.  
                                  H319 Causes serious eye irritation.

**Taylor Made Designs (TMD) Hand Sanitiser Gel**

### **Precautionary statements.**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/ attention.

P404 Store in a closed container.

P501 Dispose of contents/ container in accordance with local regulations.

### **Supplemental label information**

BPR001 Use biocides safely. Always read the label and product information before use.

### **Supplementary precautionary statements**

P233 Keep container tightly closed.

### **2.3. Other hazards**

This product does not contain any substances classified as PBT or vPvB.

## **SECTION 3: Composition/information on ingredients**

### **3.2. Mixtures**

#### **ETHANOL 75%**

CAS number: 64-17-5 EC number: 200-578-6

#### **Classification**

Flam. Liq. 2 - H225

Eye Irrit. 2 - H319

#### **GLYCERIN 1-10%**

CAS number: 56-81-5 EC number: 200-289-5

#### **Classification**

Not Classified

The full text for all hazard statements is displayed in Section 16.

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

Get medical attention if any discomfort continues.

#### **Inhalation**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

#### **Ingestion**

DO NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

#### **Skin contact**

Not relevant.

**Eye contact**

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

**4.2. Most important symptoms and effects, both acute and delayed****Inhalation**

No specific symptoms known.

**Ingestion**

May cause nausea, headache, dizziness and intoxication.

**Skin contact**

None known.

**Eye contact**

This product is moderately irritating.

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

Notes for the doctor No specific recommendations.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

**5.2. Special hazards arising from the substance or mixture**

Specific hazards Highly flammable liquid and vapour. May form explosive mixture with air at very high concentration.

**Hazardous combustion**

Products Oxides of carbon.

**5.3. Advice for firefighters****Protective actions during firefighting**

Fight fire from safe distance or protected location.

**Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

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

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

**6.4. Reference to other sections**

For personal protection, see Section 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Usage precautions Keep away from heat, sparks and open flame. Keep away from heat, sparks and open flame. Avoid contact with eyes. Avoid contact with eyes. Provide adequate general and local exhaust ventilation. Provide adequate general and local exhaust ventilation.

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

Storage precautions Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Store at temperatures between 0°C and 30°C. Take precautionary measures against static discharges.

Storage class Flammable liquid storage.

### **7.3. Specific end use(s)**

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: Exposure controls/Personal protection**

### **8.1. Control parameters**

Occupational exposure limits

#### **ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

#### **GLYCERIN**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> mist

WEL = Workplace Exposure Limit

### **Ingredient comments WEL = Workplace Exposure Limits**

#### **ETHANOL (CAS: 64-17-5)**

##### **DNEL**

Professional - Inhalation; local effects: 1900 mg/m<sup>3</sup>

Professional - Dermal; Long term systemic effects: 343 mg/kg/day

Professional - Inhalation; Long term systemic effects: 950 mg/m<sup>3</sup>

Consumer - Inhalation; local effects: 950 mg/m<sup>3</sup>

Consumer - Dermal; Long term systemic effects: 206 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 114 mg/m<sup>3</sup>

Consumer - Oral; Long term systemic effects: 87 mg/kg/day

##### **PNEC**

- marine water; 0.79 mg/l

- Fresh water; 0.96 mg/l

- Intermittent release; 2.75 mg/l

- STP; 580 mg/l

- Sediment (Freshwater); 3.46 mg/kg

- Sediment (Marinewater); 2.9 mg/l

- Soil; 0.63 mg/kg

#### **GLYCERIN (CAS: 56-81-5)**

## **DNEL**

Workers - Inhalation; Long term local effects: 56 mg/m<sup>3</sup>

General population - Inhalation; Long term local effects: 33 mg/m<sup>3</sup>

General population - Oral; Long term systemic effects: 229 mg/kg/day

## **PNEC**

Fresh water; 0.885 mg/l

marine water; 0.088 mg/l

STP; 1000 mg/l

Sediment (Freshwater); 3.3 mg/kg

Sediment (Marinewater); 0.33 mg/kg

Soil; 0.141 mg/kg

## **8.2. Exposure controls**

Protective equipment



### **Appropriate engineering controls**

Not relevant.

### **Eye/face protection**

Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes. Personal protective equipment for eye and face protection should comply with European Standard EN166.

### **Hand protection**

Not relevant.

### **Respiratory protection**

Not relevant.

## **SECTION 9: Physical and chemical properties**

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

#### **Appearance**

Viscous liquid.

#### **Colour**

Colourless to pale yellow.

#### **Odour**

Alcoholic.

#### **Odour threshold**

Not determined.

#### **pH**

pH (concentrated solution): 8.1

#### **Melting point**

<20°C

**Initial boiling point and range**

80 -90°C @

**Flash point**

15.3°C Pensky-Martens closed cup.

**Evaporation rate**

Not determined.

**Upper/lower flammability or explosive limits**

Not determined.

**Lower flammable/explosive limit:**

3.5 % (V) Ethanol Upper flammable/explosive limit: 15 % (V) Ethanol

**Vapour pressure**

300 hPa @ 55°C

**Vapour density**

Not determined.

Relative density

0.845 @ 20°C

**Solubility(ies)**

Soluble in water.

**Partition coefficient**

Not determined.

**Auto-ignition temperature**

475 C°C

**Decomposition Temperature**

Not determined.

**Viscosity**

3000-7000 mPa s @ 20°C

**Explosive properties**

Not determined.

**Oxidising properties**

Does not meet the criteria for classification as oxidising.

**9.2. Other information**

Other information None.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reactivity There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

Stability No particular stability concerns.

**10.3. Possibility of hazardous reactions**

Not known.

#### **10.4. Conditions to avoid**

Conditions to avoid heat, flames and other sources of ignition.

#### **10.5. Incompatible materials**

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### **10.6. Hazardous decomposition products**

Oxides of carbon.

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

##### **Acute toxicity - oral**

Notes (oral LD<sub>50</sub>) Based on available data the classification criteria are not met.

##### **Acute toxicity – dermal Notes (dermal LD<sub>50</sub>)**

Based on available data the classification criteria are not met.

##### **Acute toxicity – inhalation Notes (inhalation LC<sub>50</sub>)**

Based on available data the classification criteria are not met.

##### **Skin corrosion/irritation Animal data**

Based on available data the classification criteria are not met.

##### **Respiratory sensitisation Respiratory sensitisation**

Based on available data the classification criteria are not met.

##### **Skin sensitisation Skin sensitisation**

Based on available data the classification criteria are not met.

##### **Germ cell mutagenicity Genotoxicity - in vivo**

Does not contain any substances known to be mutagenic.

##### **Carcinogenicity**

Does not contain any substances known to be carcinogenic.

##### **Reproductive toxicity development**

Does not contain any substances known to be toxic to reproduction.

##### **Specific target organ toxicity - single exposure**

STOT - single exposure No information available.

##### **Specific target organ toxicity - repeated exposure**

STOT - repeated exposure No information available.

##### **Aspiration hazard**

Based on available data the classification criteria are not met.

##### **General information**

No specific health hazards known.

##### **Inhalation**

No specific health hazards known.

##### **Ingestion**

May cause nausea, headache, dizziness and intoxication.

#### **Skin contact**

Skin irritation should not occur when used as recommended.

#### **Eye contact**

Irritating to eyes. Symptoms following overexposure may include the following: Redness.  
Pain.

### **Toxicological information on ingredients.**

#### **ETHANOL**

##### **Acute toxicity – oral**

##### **Acute toxicity oral (LD<sub>50</sub> mg/kg)**

10,470.0

##### **Species**

Rat

##### **ATE oral (mg/kg)**

10,470.0

##### **Acute toxicity – dermal**

##### **Acute toxicity dermal (LD<sub>50</sub> mg/kg)**

20,000.0

##### **Species**

Rabbit

##### **Acute toxicity – inhalation**

##### **Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)**

117.0

##### **Species**

Rat

##### **ATE inhalation (vapours mg/l)**

117.0

##### **Skin corrosion/irritation**

Animal data Oedema score: Very slight oedema - barely perceptible (1).

### **SECTION 12: Ecological information**

#### **Ecotoxicity**

The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

#### **12.1. Toxicity**

Toxicity The product is not expected to be toxic to aquatic organisms.

### **Ecological information on ingredients.**



## **ETHANOL**

Acute aquatic toxicity

### **Acute toxicity - fish**

LC<sub>50</sub>, 96 hours: 15300 mg/l, Pimephales promelas (Fat-head Minnow) LC<sub>50</sub>, 96 hours: mg/l, Fish

### **Acute toxicity – aquatic invertebrates**

EC<sub>50</sub>, : 858 24H mg/l, Marinewater invertebrates

EC<sub>50</sub>, > 48 hours: 10000 mg/l, Daphnia magna

EC<sub>50</sub>, 48 hours: mg/l, Daphnia magna

### **Acute toxicity – aquatic plants**

EC<sub>50</sub>, 72 hours: 275 mg/l, Freshwater algae

IC<sub>50</sub>, 72 hours: 5000 mg/l, Algae

## **12.2. Persistence and degradability**

Persistence and degradability

The product is biodegradable.

## **12.3. Bioaccumulative potential**

### **Bioaccumulative potential**

No data available on bioaccumulation.

### **Partition coefficient**

Not determined.

## **12.4. Mobility in soil**

### **Mobility**

The product is soluble in water.

## **12.5. Results of PBT and vPvB assessment**

### **Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

## **12.6. Other adverse effects**

### **Other adverse effects**

None known.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **General information**

When handling waste, the safety precautions applying to handling of the product should be considered.

#### **Disposal methods**

This material and its container must be disposed of as hazardous waste. Dispose of waste product or used containers in accordance with local regulations Reuse or recycle products wherever possible.

## **SECTION 14: Transport information**

### **14.1. UN number**

**UN No. (ADR/RID)**

1170

**UN No. (IMDG)**

1170

**UN No. (ICAO)**

1170

**UN No. (ADN)**

1170

### **14.2. UN proper shipping name**

**Proper shipping name (ADR/RID)**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**Proper shipping name (IMDG)**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**Proper shipping name (ICAO)**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**Proper shipping name (ADN)**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

### **14.3. Transport hazard class(es)**

**ADR/RID class 3**

**ADR/RID classification code F1**

**ADR/RID label 3**

**IMDG class 3**

**ICAO class/division 3**

**ADN class 3**

**Transport labels**



### **14.4. Packing group**

**ADR/RID packing group II**

**IMDG packing group II**

**ICAO packing group II**

**ADN packing group II**

### **14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

### **14.6. Special precautions for user EmS**

F-E, S-D

**ADR transport category**

2

**Emergency Action Code**

•2YE

**Hazard Identification Number (ADR/RID)**

33

**Tunnel restriction code**

(D/E)

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

REGULATION (EU) No 528/2012 (as amended) concerning the making available on the market and use of biocidal products.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information****General information**

Use biocides safely. Always read the label and product information before use.

**Key literature references and sources for data**

Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.

**Revision comments**

N/A

**Revision date**

N/A

**Revision**

N/A

**Supersedes date**

N/A

**Hazard statements in full**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

**Notes for Hazard Statements in Full**

The full text for Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.