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### **Material Safety Data Sheet**

Product Name: Home Fragrance Grapefruit and Pomelo Diffuser Refill

Supplier code: C81653

Article create code: 30196997

Barcode: 5054077307277

Issue Date: 10<sup>th</sup> August 2015

## **SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT USE:** Air freshener/Decorative reed diffuser

**SUPPLIER ADDRESS:** Williams (HS) Limited, Sage House, **Bowden Hey Road**, Chapel-en-le-frith, High Peak. SK23 0QZ

**INFORMING DEPARTMENT:** Technical Department

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## **SECTION 2. HAZARDS IDENTIFICATION**

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

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Flammable liquids Category 3 - (H226)

Skin corrosion/irritation Category 2 - (H315)

Serious eye damage/eye irritation Category 1 - (H318)

Chronic aquatic toxicity Category 3 - (H412)

### **2.2. Label elements**

Symbols/Pictograms



Signal word  
Hazard Statements

Danger  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H412 - Harmful to aquatic life with long lasting effects  
H226 - Flammable liquid and vapor

Precautionary Statements

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment  
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P310 - Immediately call a POISON CENTER or doctor/physician  
 P264 - Wash face, hands and any exposed skin thoroughly after handling  
 P362 - Take off contaminated clothing and wash before reuse  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P403 + P235 - Store in a well-ventilated place. Keep cool  
 P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

No information available.

**SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 Mixture

| Chemical Name                           |                        | EC No     | CAS No     | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|------------------------|-----------|------------|----------|--|
| Water                                   |                        | 231-791-2 | 7732-18-5  | 50       | Not classified   |
| surfactant                              |                        | -         | 68131-39-5 | 15       | Eye Dam. 1 (H318)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 3 (H412)  |
| Alcohol                                 |                        | 200-578-6 | 64-17-5    | 15       | Flam. Liq. 2 (H225)  |
| Dipropylene glycol methyl ether acetate |                        | 406-880-6 | 88917-22-0 | 10       | Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>STOT SE 3 (H335)  |
| EFF261653                               | Hexyl cinnamic         | 202-983-3 | 101-86-0   | 0.419    | Skin sens 1 (H317)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 2 (H411)   |
|   | (r)-p-mentha-1,8-diene | 227-813-5 | 5989-27-5  | 0.304    | Skin Irrit. 2 (H315)<br>Skin Sens. 1 (H317)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410)<br>Flam. Liq. 3 (H226) |
|   | Aldehyde C10           | 203-957-4 | 112-31-2   | 0.276    | Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>Aquatic Chronic 3 (H412)  |
|   | Dihydro Myrcenol       | 242-362-4 | 18479-58-8 | 0.276    | Eye Irrit. 2 (H319)  |

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## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General advice

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

#### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

#### Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

#### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Ingestion

Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

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

Treat symptomatically.

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## SECTION 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media**

Dry chemical, CO<sub>2</sub> or water spray.

**Unsuitable extinguishing media**

No information available.

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

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### 5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Avoid contact with skin, eyes and inhalation of vapors. Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

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

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### **6.4. Reference to other sections**

See Section 7 for more information

See section 8 for more information

See section 13 for more information

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## **SECTION 7. HANDLING AND STORAGE**

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

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Take precautionary measures against static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8.

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

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep locked up and out of reach of children. Store in accordance with local regulations.

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

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

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## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. Control parameters

| Chemical Name            | Australia                          | Austria  | Belgium | Denmark                                      | European Union |
|--------------------------|------------------------------------|--|---------|--|----------------|
| Alcohol (CAS #: 64-17-5) | 1000 ppm<br>1880 mg/m <sup>3</sup> | STEL 2000 ppm<br>STEL 3800 mg/m <sup>3</sup><br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> | -       | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> | -              |

| Chemical Name                             | Latvia                      | France   | Finland  | Germany  | Italy |
|---|-----------------------------|--|--|--|-------|
| Alcohol (CAS #: 64-17-5)                  | TWA: 1000 mg/m <sup>3</sup> | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>STEL: 5000 ppm<br>STEL: 9500 mg/m <sup>3</sup> | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>STEL: 1300 ppm<br>STEL: 2500 mg/m <sup>3</sup> | TWA: 500 ppm<br>TWA: 960 mg/m <sup>3</sup><br>Ceiling / Peak: 1000 ppm<br>Ceiling / Peak: 1920 mg/m <sup>3</sup><br>Skin | -     |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) |                             | TWA: 1000 mg/m <sup>3</sup><br>STEL: 1500 mg/m <sup>3</sup>                                    | TWA: 25 ppm<br>TWA: 140 mg/m <sup>3</sup><br>STEL: 50 ppm<br>STEL: 280 mg/m <sup>3</sup>       | TWA: 5 ppm<br>TWA: 28 mg/m <sup>3</sup><br>Ceiling / Peak: 20 ppm<br>Ceiling / Peak: 112 mg/m <sup>3</sup><br>Skin       | -     |

| Chemical Name                             | Poland                      | Portugal      | Spain  | Switzerland  | Netherlands  |
|---|-----------------------------|---------------|--|--|--|
| Alcohol (CAS #: 64-17-5)                  | TWA: 1900 mg/m <sup>3</sup> | TWA: 1000 ppm | STEL: 1000 ppm<br>STEL: 1910 mg/m <sup>3</sup><br>TWA: 1000 ppm<br>TWA: 1910 mg/m <sup>3</sup> | STEL: 1000 ppm<br>STEL: 1920 mg/m <sup>3</sup><br>TWA: 500 ppm<br>TWA: 960 mg/m <sup>3</sup> | Skin<br>STEL: 1900 mg/m <sup>3</sup><br>TWA: 260 mg/m <sup>3</sup> |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | -                           | -             | -  | STEL: 40 ppm<br>STEL: 220 mg/m <sup>3</sup><br>TWA: 20 ppm<br>TWA: 110 mg/m <sup>3</sup>     | -  |

| Chemical Name                             | Norway   | United Kingdom   | ACGIH TLV      | OSHA PEL   | NIOSH IDLH   |
|---|--|--|----------------|--|--|
| Alcohol (CAS #: 64-17-5)                  | TWA: 500 ppm<br>TWA: 950 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 950 mg/m <sup>3</sup> | STEL: 3000 ppm<br>STEL: 5760 mg/m <sup>3</sup><br>TWA: 1000 ppm<br>TWA: 1920 mg/m <sup>3</sup> | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | TWA: 25 ppm<br>TWA: 140 mg/m <sup>3</sup><br>STEL: 25 ppm<br>STEL: 140 mg/m <sup>3</sup>   | -  | -              | -  | -  |

#### Derived No Effect Level (DNEL)

No information available

### **Predicted No Effect Concentration (PNEC)**

No information available

### **8.2. Exposure controls**

#### **Engineering Controls**

Use with local exhaust ventilation

Ensure adequate ventilation, especially in confined areas

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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

|                                       |                          |
|---------------------------------------|--------------------------|
| <b>Appearance</b>                     | Liquid                   |
| <b>Colour</b>                         | No information available |
| <b>Odour</b>                          | Characteristic           |
| <b>Odour Threshold</b>                | Not determined           |
| <b>pH</b>                             | Not determined           |
| <b>Melting point/freezing point</b>   | Not determined           |
| <b>Boiling point / boiling range</b>  | Not determined           |
| <b>Flash point</b>                    | 27°C                     |
| <b>Evaporation rate</b>               | Not determined           |
| <b>Flammability (solid, gas)</b>      | Not determined           |
| <b>Flammability Limit in Air</b>      | Not determined           |
| <b>Vapour Pressure</b>                | Not determined           |
| <b>Vapour density</b>                 | Not determined           |
| <b>Density</b>                        | Not determined           |
| <b>Relative density</b>               | Not determined           |
| <b>Water solubility</b>               | Not determined           |
| <b>Partition coefficient (LogPow)</b> | Not determined           |
| <b>Autoignition temperature</b>       | Not determined           |
| <b>Decomposition temperature</b>      | Not determined           |
| <b>Kinematic viscosity</b>            | Not determined           |
| <b>Dynamic viscosity</b>              | Not determined           |
| <b>Explosive properties</b>           | Not an explosive         |
| <b>Oxidizing properties</b>           | Not determined           |

### **9.2. Other information**

No information available

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## **SECTION 10. STABILITY AND REACTIVITY**

### **10.1. Reactivity**

No information available.

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

None under normal processing.

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

Heat, flames and sparks.

### 10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

None under normal use conditions.

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## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity

| Chemical Name                             | Oral LD50                         | Dermal LD50           | Inhalation LC50        |
|---|-----------------------------------|-----------------------|------------------------|
| Water (CAS #: 7732-18-5)                  | > 89800 mg/kg (Rat)               | -                     | -                      |
| surfactant (CAS #: 68131-39-5)            | = 1600 mg/kg (Rat) = 2 g/kg (Rat) | = 2500 mg/kg (Rabbit) | -                      |
| Alcohol (CAS #: 64-17-5)                  | = 7060 mg/kg (Rat)                | -                     | = 124.7 mg/L (Rat) 4 h |
| Hexyl cinnamic (CAS #: 101-86-0)          | = 3100 mg/kg (Rat)                | > 3000 mg/kg (Rabbit) | -                      |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | = 4400 mg/kg (Rat)                | > 5 g/kg (Rabbit)     | -                      |
| Aldehyde C10 (CAS #: 112-31-2)            | = 3730 µL/kg (Rat)                | = 5040 µL/kg (Rabbit) | -                      |
| Dihydro Myrcenol (CAS #: 18479-58-8)      | = 3600 mg/kg (Rat)                | > 5 g/kg (Rabbit)     | -                      |

#### Skin corrosion/irritation

Causes skin irritation

#### Serious eye damage/eye irritation

Causes serious eye damage

#### Sensitization

No sensitization responses were observed.

#### Germ cell mutagenicity

No information available.

#### Carcinogenicity

| Chemical Name                             | European Union | IARC                |
|---|----------------|---------------------|
| Alcohol (CAS #: 64-17-5)                  | -              | Group 1             |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | -              | Group 2A<br>Group 3 |

#### Reproductive toxicity

No information available.

#### STOT - single exposure

No information available

#### STOT - repeated exposure

No information available

#### Aspiration hazard

No information available.

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**SECTION 12. ECOLOGICAL INFORMATION****12.1. Toxicity**

| Chemical Name                             | Algae/aquatic plants EC50 | Fish LC50  | Crustacea EC50  |
|---|---------------------------|--|---|
| Alcohol (CAS #: 64-17-5)                  | -                         | 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through | 9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | -                         | 0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50  | -   |

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

| Chemical Name            | Partition coefficient (LogPow) |
|--------------------------|--------------------------------|
| Alcohol (CAS #: 64-17-5) | -0.32                          |

**12.4. Mobility in soil**

No information available

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

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

**12.6. Other adverse effects**

No information available

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**SECTION 13. DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

|                                     |  |
|-------------------------------------|--|
| Waste from residues/unused products | Disposal should be in accordance with applicable regional, national and local laws and regulations |
| Contaminated packaging              | Disposal should be in accordance with applicable regional, national and local laws and regulations |



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**SECTION 14. TRANSPORT INFORMATION**

|  |                          |
|--|--------------------------|
| <b>14.1 UN Number</b>  | Not regulated            |
| <b>14.2 Proper shipping name</b>   | Not regulated            |
| <b>14.3 Hazard Class</b>   | Not regulated            |
| <b>14.4 Packing Group</b>  | Not regulated            |
| <b>14.5 Environmental hazards</b>  | Not applicable           |
| <b>14.6 Special precautions</b>  | No information available |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable           |

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**SECTION 15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

| Chemical Name   | French RG number | Title |
|---|------------------|-------|
| Alcohol (CAS #: 64-17-5)                                    | RG 84            | -     |
| Dipropylene glycol methyl ether acetate (CAS #: 88917-22-0) | RG 84            | -     |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5)                   | RG 84            | -     |

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

**International Inventories**

| Component   | TSCA | DSL/NDSL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---|------|----------|---------------|------|-------|------|-------|------|
| Water<br>7732-18-5 ( 50 )                                       | X    | X        | X             | -    | X     | X    | X     | X    |
| surfactant 68131-39-5<br>( 15 )                                 | X    | X        | -             | X    | X     | X    | X     | X    |
| Alcohol<br>64-17-5 ( 15 )                                       | X    | X        | X             | X    | X     | X    | X     | X    |
| Dipropylene glycol<br>methyl ether acetate<br>88917-22-0 ( 10 ) | X    | X        | X             | X    | X     | X    | X     | X    |
| Hexyl cinnamic<br>101-86-0 ( 0.419 )                            | X    | X        | X             | X    | X     | X    | X     | X    |
| (r)-p-mentha-1,8-diene<br>5989-27-5 ( 0.304 )                   | X    | X        | X             | X    | X     | X    | X     | X    |
| Aldehyde C10 112-31-<br>2 ( 0.276 )                             | X    | X        | X             | X    | X     | X    | X     | X    |
| Dihydro Myrcenol<br>18479-58-8 ( 0.276 )                        | X    | X        | X             | X    | X     | X    | X     | X    |

"-" Not Listed

"X" Listed

**15.2. Chemical safety assessment**

No information available

## SECTION 16. OTHER INFORMATION

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

|                      |                |
|----------------------|----------------|
| <b>Issue Date</b>    | 10-Aug-2015    |
| <b>Revision date</b> | 10-Aug-2015    |
| <b>Revision Note</b> | Not applicable |

### Key or legend to abbreviations and acronyms used in the safety data sheet

**TWA** - TWA (time-weighted average)

**STEL** - STEL (Short Term Exposure Limit)

**Ceiling** - Maximum limit value

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### Full text of H-Statements referred to under section 3

H318 - Causes serious eye damage

H400 - Very toxic to aquatic life

H412 - Harmful to aquatic life with long lasting effects

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H317 - May cause an allergic skin reaction

H411 - Toxic to aquatic life with long lasting effects

H320 - Causes eye irritation

H410 - Very toxic to aquatic life with long lasting effects

H226 - Flammable liquid and vapor

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