

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

**Product name** Thermo55 Citrus  
**Product code** LG-F1073

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

**Recommended Use** Professional Deodorizer  
**Restrictions on use** Professional Use Only

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

**Supplier** Legend Brands  
ProRestore Products  
15180 Josh Wilson Road  
Burlington, WA 98233  
800-932-3030

**1.4 Emergency telephone number**

**Emergency telephone number** INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

**2. Hazards identification**

**2.1 Classification of the substance or mixture**

**GHS Classification in accordance with 29 CFR 1910.1200**

|                     |            |
|---------------------|------------|
| Skin sensitization  | Category 1 |
| Aspiration toxicity | Category 1 |
| Flammable liquids   | Category 4 |

**2.2 Label elements**

**Signal Word**

Danger

**Hazard Statements**

May cause an allergic skin reaction  
May be fatal if swallowed and enters airways  
Combustible liquid



**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Keep away from flames and hot surfaces. - No smoking  
 Wear protective gloves/clothing and eye/face protection

IF ON SKIN: Wash with plenty of water and soap  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor  
 Do NOT induce vomiting  
 In case of fire: Use CO2, dry chemical, or foam to extinguish

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**2.3. Other Hazards Hazards not otherwise classified (HNOC)**

Not Applicable

**2.4 Other information**

Not Applicable

**Unknown Acute Toxicity** 1.71706% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/Information on Ingredients**

**Substance**  
**Mixture**

| Chemical Name                              | CAS-No     | Weight % |
|--|------------|----------|
| Distillates, petroleum, hydrotreated light | 64742-47-8 | 90 - 100 |
| 2,4-PENTANEDIOL, 2-METHYL-                 | 107-41-5   | 1 - 5    |
| TERPENES AND TERPENOIDS, SWEET ORANGE-OIL  | 68647-72-3 | < 1      |
| 2,6-OCTADIENAL, 3,7-DIMETHYL-              | 5392-40-5  | < 1      |

The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First aid measures**

**4.1 Description of first-aid measures**

**General advice** Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.

**Eye contact** Remove contact lenses, if present. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**Skin contact** Wash off immediately with soap and plenty of water. Remove all contaminated clothes and

shoes. Use a mild soap if available. If skin irritation persists, call a physician.

**Inhalation**

Move to fresh air. Consult a physician after significant exposure.

**Ingestion**

Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention immediately. Give small amounts of water to drink.

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

**Symptoms**

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

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

**Notes to physician**

Treat symptomatically.

**5. Fire-Fighting Measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

**Small Fires**

Dry chemical or CO<sub>2</sub>.

**Large Fires**

Alcohol type or all purpose foam.

**Unsuitable Extinguishing Media**

None.

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

**Special Hazard**

Hazardous decomposition products formed under fire conditions Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product

**Hazardous Combustion Products**

No information available.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**5.3 Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental Release Measures**

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

Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing.

**6.2 Environmental precautions**

Prevent product from entering drains. Do not allow material to contaminate ground water system. See Section 12 for additional Ecological information.

**6.3 Methods and materials for containment and cleaning up**

**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Pick up and transfer to properly labeled containers.

**7. Handling and storage**

**7.1 Precautions for safe handling**

**Advice on safe handling**                      Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in area provided with appropriate exhaust ventilation. Maintain eye wash fountain and quick-drench facilities in work area.

**Hygiene measures**                              When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

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

**Storage Conditions**                              Keep locked up or in an area accessible only to qualified or authorized persons. Keep tightly closed in a dry, cool and well-ventilated place. Protect from frost.

**Materials to Avoid**                                Strong oxidizing agents.

**8. Exposure controls/personal protection**

**8.1 Exposure Guidelines**

| Chemical Name   | ACGIH TLV   | OSHA PEL | British Columbia                   | Alberta   | Quebec  | Ontario TWAEV      |
|---|---|----------|------------------------------------|---|---|--------------------|
| Distillates, petroleum, hydrotreated light 64742-47-8 | -   | -        | TWA: 200 mg/m <sup>3</sup><br>Skin |   |   |                    |
| 2,4-PENTANEDIOL, 2-METHYL- 107-41-5                   | Ceiling: 25 ppm                                     | -        | Ceiling: 25 ppm                    | Ceiling: 25 ppm<br>Ceiling: 121 mg/m <sup>3</sup> | Ceiling: 25 ppm<br>Ceiling: 121 mg/m <sup>3</sup> | CEV: 25 ppm        |
| 2,6-OCTADIENAL, 3,7-DIMETHYL- 5392-40-5               | TWA: 5 ppm<br>inhalable fraction<br>and vapor<br>S* | -        |                                    |   |   | TWA: 5 ppm<br>Skin |

**8.2 Appropriate engineering controls**

**Engineering Measures**                              Showers  
Eyewash stations  
Ventilation systems.

**8.3 Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**                              Safety glasses with side-shields.

**Skin and body protection**                              Long sleeved clothing.

**Respiratory protection**                              In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene measures**                                      See section 7 for more information

**9. Physical and chemical properties**

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

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | No information available |
| <b>Color</b>          | No information available |
| <b>Odor</b>           | No information available |
| <b>Odor Threshold</b> | No information available |

| <u>Property</u>                     | <u>Values</u>  | <u>Remarks • Methods</u> |
|-------------------------------------|----------------|--------------------------|
| <b>pH</b>                           |                | No information available |
| <b>Melting/freezing point</b>       |                | No information available |
| <b>Boiling point/boiling range</b>  |                | No information available |
| <b>Flash Point</b>                  | 82 °C / 180 °F |                          |
| <b>Evaporation rate</b>             |                | No information available |
| <b>Flammability (solid, gas)</b>    |                | No information available |
| <b>Flammability Limits in Air</b>   |                |                          |
| upper flammability limit            |                | No information available |
| lower flammability limit            |                | No information available |
| <b>Vapor pressure</b>               |                | No information available |
| <b>Vapor density</b>                |                | No information available |
| <b>Specific Gravity</b>             |                | No information available |
| <b>Water solubility</b>             |                | No information available |
| <b>Solubility in other solvents</b> |                | No information available |
| <b>Partition coefficient</b>        |                | No information available |
| <b>Autoignition temperature</b>     |                | No information available |
| <b>Decomposition temperature</b>    |                | No information available |
| <b>Viscosity, kinematic</b>         |                | No information available |
| <b>Viscosity, dynamic</b>           |                | No information available |
| <b>Explosive properties</b>         |                | No information available |
| <b>Oxidizing Properties</b>         |                | No information available |

**9.2 Other information**

**Volatile organic compounds (VOC) content** 18.1 g/L

**10. Stability and Reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under normal conditions

**10.3 Possibility of hazardous reactions**

None under normal processing.

**10.4 Conditions to Avoid**

Direct sources of heat.

**10.5 Incompatible Materials**

Strong oxidizing agents.

**10.6 Hazardous Decomposition Products**

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

**11. Toxicological information**

**11.1 Acute toxicity**

**Numerical measures of toxicity: Product Information**

**Unknown Acute Toxicity** 1.71706% of the mixture consists of ingredient(s) of unknown toxicity

**Numerical measures of toxicity: Component Information**

| Chemical Name  | LD50 Oral          | LD50 Dermal             | LC50 Inhalation                     |
|--|--------------------|-------------------------|-------------------------------------|
| Distillates, petroleum, hydrotreated light<br>64742-47-8   | 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 5.2 mg/L ( Rat ) 4 h              |
| 2,4-PENTANEDIOL, 2-METHYL-<br>107-41-5                     | 3692 mg/kg ( Rat ) | -                       | > 310 mg/m <sup>3</sup> ( Rat ) 1 h |
| TERPENES AND TERPENOIDS,<br>SWEET ORANGE-OIL<br>68647-72-3 | 4400 mg/kg ( Rat ) | >5 g/kg ( Rabbit )      | -                                   |
| 2,6-OCTADIENAL, 3,7-DIMETHYL-<br>5392-40-5                 | 4950 mg/kg ( Rat ) | = 2250 mg/kg ( Rabbit ) | -                                   |

**11.2 Information on toxicological effects**

**Skin corrosion/irritation**

Product Information

- No information available

Component Information

- No information available

**Serious eye damage/eye irritation**

Product Information

- No information available

Component Information

- No information available

**Respiratory or skin sensitization**

Product Information

- No information available

Component Information

- No information available

**Germ cell mutagenicity**

Product Information

- No information available

Component Information

- No information available

**Carcinogenicity**

Product Information

- No information available

Component Information

- No information available

**Reproductive toxicity**

Product Information

- No information available

Component Information

- No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

No information available

**Other adverse effects**

Product Information

• No information available

Component Information

• No information available

**Aspiration hazard**

Product Information

• Risk of serious damage to the lungs (by aspiration)

Component Information

• No information available

**12. Ecological information**

**12.1 Toxicity**

**Ecotoxicity**

No information available

2.9655 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

| Chemical Name  | Toxicity to algae   | Toxicity to fish   | Toxicity to daphnia and other aquatic invertebrates |
|--|---|--|---|
| Distillates, petroleum, hydrotreated light<br>64742-47-8 | -   | LC50: 96 h Pimephales promelas 45 mg/L flow-through LC50: 96 h Lepomis macrochirus 2.2 mg/L static LC50: 96 h Oncorhynchus mykiss 2.4 mg/L static  | -   |
| 2,4-PENTANEDIOL, 2-METHYL-<br>107-41-5                   | -   | LC50: 96 h Pimephales promelas 10500 - 11000 mg/L flow-through LC50: 96 h Lepomis macrochirus 10000 mg/L static LC50: 96 h Pimephales promelas 8690 mg/L flow-through LC50: 96 h Pimephales promelas 10700 mg/L static | EC50: 48 h Daphnia magna 2700 - 3700 mg/L           |
| 2,6-OCTADIENAL, 3,7-DIMETHYL-<br>5392-40-5               | EC50: 72 h Desmodesmus subspicatus 16 mg/L EC50: 96 h Desmodesmus subspicatus 19 mg/L | -  | EC50: 48 h Daphnia magna 7 mg/L                     |

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

| Chemical Name                              | log Pow |
|--|---------|
| 2,4-PENTANEDIOL, 2-METHYL-<br>107-41-5     | 0.14    |
| 2,6-OCTADIENAL, 3,7-DIMETHYL-<br>5392-40-5 | 2.76    |

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

No adverse effects are expected.

**13. Disposal Considerations**

**13.1 Waste treatment methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. Transport Information**

|                    |               |
|--------------------|---------------|
| <b><u>DOT</u></b>  | Not regulated |
| <b><u>MEX</u></b>  | Not regulated |
| <b><u>IMDG</u></b> | Not regulated |
| <b><u>IATA</u></b> | Not regulated |

**15. Regulatory information**

**15.1 International Inventories**

|                      |          |
|----------------------|----------|
| <b>TSCA</b>          | Complies |
| <b>DSL</b>           | Complies |
| <b>EINECS/ELINCS</b> | Complies |
| <b>ENCS</b>          | -        |
| <b>IECSC</b>         | Complies |
| <b>KECL</b>          | Complies |
| <b>PICCS</b>         | Complies |
| <b>AICS</b>          | Complies |
| <b>NZIoC</b>         | -        |

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL** - Canadian Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and 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
- NZIoC** - New Zealand Inventory of Chemicals

**15.2 U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**15.3 Pesticide Information**

Not applicable

**15.4 U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**16. Other information**

|             |                        |                       |                          |  |
|-------------|------------------------|-----------------------|--------------------------|--|
| <b>NFPA</b> | <b>Health Hazard 3</b> | <b>Flammability 2</b> | <b>Instability 0</b>     | <b>Physical and chemical hazards -</b> |
| <b>HMIS</b> | <b>Health Hazard 3</b> | <b>Flammability 2</b> | <b>Physical Hazard 0</b> | <b>Personal protection X</b>           |

**Legend:**

- ACGIH (American Conference of Governmental Industrial Hygienists)*
- Ceiling (C)*
- DOT (Department of Transportation)*
- EPA (Environmental Protection Agency)*
- IARC (International Agency for Research on Cancer)*
- International Air Transport Association (IATA)*
- International Maritime Dangerous Goods (IMDG)*
- NIOSH (National Institute for Occupational Safety and Health)*
- NTP (National Toxicology Program)*
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)*
- PEL (Permissible Exposure Limit)*
- Reportable Quantity (RQ)*
- Skin designation (S\*)*
- STEL (Short Term Exposure Limit)*
- TLV® (Threshold Limit Value)*
- TWA (time-weighted average)*

**Revision Date** 03-Oct-2016

**Revision Note**  
No information available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**