# SECTION 1: Identification

## 1.1. Identification

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>PHENYLTRIMETHICONE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product code</strong></td>
<td>TMS-P13</td>
</tr>
<tr>
<td><strong>Product form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Synonyms</strong></td>
<td>PHENYLTRIMETHICONE; TRIMETHYL PHENYL SILSESQUIOXANE; POLYDIMETHYLIDIPHENYLTRIMETHYLSILYLOXYSILANE; SILOXANES AND SILICONES, PHENYL TRIMETHYL-SILYLOXY; POLYDIMETHYLIDIPHENYLTRIMETHYL-SILYLOXYSILANES; SILOXANES, PHENYL TRIMETHYL-SILYLOXY TERMINATED</td>
</tr>
<tr>
<td><strong>Chemical family</strong></td>
<td>ORGANOSILOXANE</td>
</tr>
</tbody>
</table>

## 1.2. Recommended use and restrictions on use

**Recommended use**: Cosmetics, personal care products

## 1.3. Supplier

**GELEST, INC.**
11 East Steel Road
Morrisville, PA 19067
USA
T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST
info@gelest.com - www.gelest.com

## 1.4. Emergency telephone number

**Emergency number**: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

# SECTION 2: Hazard(s) identification

## 2.1. Classification of the substance or mixture

**GHS-US classification**

| Acute toxicity (inhalation:dust,mist) Category 2 | H330  - Fatal if inhaled |
| Full text of H statements : see section 16 |

## 2.2. GHS Label elements, including precautionary statements

**GHS US labeling**

<table>
<thead>
<tr>
<th>Hazard pictograms (GHS US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Skull and crossbones]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signal word (GHS US)</th>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazard statements (GHS US)</strong></td>
<td>H330 - Fatal if inhaled</td>
</tr>
<tr>
<td>Applies to aerosolized material only.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Precautionary statements (GHS US)</th>
<th>P260 - Do not breathe mist, spray.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P271 - Use only outdoors or in a well-ventilated area.</td>
</tr>
<tr>
<td></td>
<td>P284 - [In case of inadequate ventilation] wear in case of inadequate ventilation wear respiratory protection.</td>
</tr>
<tr>
<td></td>
<td>P304+p340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</td>
</tr>
<tr>
<td></td>
<td>P310 - Immediately call a doctor</td>
</tr>
<tr>
<td></td>
<td>P320 - Specific treatment is urgent (see first aid instructions on this label)</td>
</tr>
<tr>
<td></td>
<td>P403+p233 - Store in a well-ventilated place. Keep container tightly closed.</td>
</tr>
<tr>
<td></td>
<td>P405 - Store locked up.</td>
</tr>
<tr>
<td></td>
<td>P501 - Dispose of contents/container to licensed waste disposal facility.</td>
</tr>
</tbody>
</table>

## 2.3. Hazards not otherwise classified (HNOC)

**No additional information available**

## 2.4. Unknown acute toxicity (GHS US)

**Not applicable**

# SECTION 3: Composition/Information on ingredients

## 3.1. Substances

<table>
<thead>
<tr>
<th>Substance type</th>
<th>Mono-constituent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name</strong></td>
<td>PHENYLTRIMETHICONE</td>
</tr>
</tbody>
</table>
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Full text of hazard classes and H-statements: see section 16

3.2. Mixtures
Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general: Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact: Wash with plenty of soap and water. Get medical advice/attention.

First-aid measures after eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist if irritation persists.

First-aid measures after ingestion: Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation: Fatal if inhaled. Danger of serious damage to health by prolonged exposure through inhalation. Rats exposed to lethal concentrations of aerosols exhibited labored breathing, lacrimation nasal discharge and irregular gait.

Symptoms/effects after skin contact: May cause skin irritation. May be harmful in contact with skin.

Symptoms/effects after eye contact: May cause mild eye irritation.

Symptoms/effects after ingestion: May be harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media


Unsuitable extinguishing media: None known.

5.2. Specific hazards arising from the chemical

Fire hazard: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Wear protective equipment as described in Section 8.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up: Clean up any spills as soon as possible, using an absorbent material to collect it.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Avoid all eye and skin contact and do not breathe vapor and mist. Avoid formation of aerosols. Spillage of this material may create a slippery condition for foot or vehicle traffic. Use only outdoors or in a well-ventilated area.

Hygiene measures: Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep container tightly closed. Store locked up.
Storage area: Store in a well-ventilated place. Store away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

8.2. Appropriate engineering controls
Appropriate engineering controls: Provide local exhaust or general room ventilation.

8.3. Individual protection measures/Personal protective equipment
Personal protective equipment:
Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:
Neoprene or nitrile rubber gloves

Eye protection:
Chemical goggles. Contact lenses should not be worn

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Liquid
Appearance: Clear liquid. Viscous.
Molecular mass: 500 - 700 g/mol
Color: No data available
Odor: No data available
Odor threshold: No data available
Refractive index: 1.46
pH: No data available
Relative evaporation rate (butyl acetate=1): No data available
Melting point: ≤ -85 °C
Freezing point: No data available
Boiling point: > 205 °C
Flash point: > 110 °C
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available
Relative density: 0.98
% Volatiles: < 2 %
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Solubility: Insoluble in water.

Log Pow: No data available

Log Kow: No data available

Viscosity, kinematic: 15 - 35 cSt

Viscosity, dynamic: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Explosion limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
If heated above 300°C traces of benzene (carcinogen) may form.

10.4. Conditions to avoid
Heat. Open flame. Sparks.

10.5. Incompatible materials
Oxidizing agent. Strong acids.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Not classified

PHENYLTRIMETHICONE (70131-69-0)

ATE US (dust, mist) 0.47 mg/l/4h

Phenytrimethicone (70131-69-0)

LD50 dermal rabbit > 2000 mg/kg male and female;

LC50 inhalation rat (mg/l) 0.467 mg/l; LC100: 5.33mg/L

ATE US (vapors) 0.467 mg/l/4h

ATE US (dust, mist) 0.467 mg/l/4h

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity: Not classified

Specific target organ toxicity – single exposure: Not classified

Specific target organ toxicity – repeated exposure: Not classified

Aspiration hazard: Not classified

Symptoms/effects after inhalation: Fatal if inhaled. Danger of serious damage to health by prolonged exposure through inhalation. Rats exposed to lethal concentrations of aerosols exhibited labored breathing, lacrimation nasal discharge and irregular gait.

Symptoms/effects after skin contact: May cause skin irritation. May be harmful in contact with skin.

Symptoms/effects after eye contact: May cause mild eye irritation.

Symptoms/effects after ingestion: May be harmful if swallowed.
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SECTION 12: Ecological information
12.1. Toxicity
No additional information available

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Effect on the ozone layer : No additional information available

SECTION 13: Disposal considerations
13.1. Disposal methods
Sewage disposal recommendations : Do not dispose of waste into sewer.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information
14.1. UN number
Not regulated for transport.

14.2. UN proper shipping name
Not applicable

14.3. Additional information
Other information : No supplementary information available.

Transport by sea
No additional information available
Air transport
No additional information available

SECTION 15: Regulatory information
15.1. US Federal regulations
Phenyltrimethicone (70131-69-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations
CANADA
Phenyltrimethicone (70131-69-0)
Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations
No additional information available

National regulations
Phenyltrimethicone (70131-69-0)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations
California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm
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SECTION 16: Other information

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H330</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatal if inhaled</td>
</tr>
</tbody>
</table>

Abbreviations and acronyms:

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor.

Hazard Rating

Health:

3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given.

Flammability:

1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical:

0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Prepared by safety and environmental affairs.

Date of issue: 03/08/2019  Revision date: 04/22/2019  Version: 1.2

SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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