

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** TEGO® Therm HPG 4000

**Other means of identification**

None.

**Recommended restrictions**

**Recommended use:** Thermal insulation material Thermal insulation granulate

**Restrictions on use:** Not determined.

**Manufacturer/Importer/Distributor Information**

Company Name : Evonik Corporation  
2 Turner Place  
Piscataway, NJ 08854  
USA

Telephone : +1 732 981 5000

E-mail : product-regulatory-services@evonik.com

**Emergency telephone number:**

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency : 800 681 9531 (CHEMTREC MEXICO)

+1 703 527 3887 (CHEMTREC WORLD)

## 2. Hazard(s) identification

**Hazard Classification**

Not classified

**Label Elements**

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

**Precautionary Statements**

**Hazard(s) not otherwise classified (HNOC):** None.

## 3. Composition/information on ingredients

## Mixtures

**Composition Comments:** The components are not hazardous or are below required disclosure limits.

### 4. First-aid measures

#### Description of necessary first-aid measures

<b>Inhalation:</b>	In case product dust is released: Possible discomfort: cough, sneezing Move to fresh air.
<b>Skin Contact:</b>	Wash off with plenty of water and soap.
<b>Eye contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention. No information available.
<b>Ingestion:</b>	Clean mouth with water and drink afterwards plenty of water. After absorbing large amounts of substance / In case of discomfort: Supply with medical care.
<b>Personal Protection for First-aid Responders:</b>	No data available.

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

<b>Symptoms:</b>	None known.
<b>Hazards:</b>	No data available.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** No hazards which require special first aid measures.

### 5. Fire-fighting measures

#### Suitable (and unsuitable) extinguishing media

<b>Suitable extinguishing media:</b>	Water spray, foam, CO <sub>2</sub> , dry powder. Adapt fire-extinguishing measures to surroundings
<b>Unsuitable extinguishing media:</b>	Do not use full-force water jet in order to avoid dispersal and spread of the fire.
<b>Special hazards arising from the substance or mixture:</b>	May be released in case of fire: carbon monoxide, carbon dioxide. silica

#### Special protective equipment and precautions for fire-fighters

**Special fire-fighting procedures:** Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special protective equipment for fire-fighters:**

As in any fire, wear self-contained positive-pressure breathing apparatus and full protective gear.

## 6. Accidental release measures

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

For personal protection see section 8. Avoid dust formation.

**Accidental release measures:**

No data available.

**Methods and material for containment and cleaning up:**

Sweep up or vacuum up spillage and collect in suitable container for disposal.

**Environmental Precautions:**

Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

## 7. Handling and storage

### Handling

**Technical measures (e.g. Local and general ventilation):**

Provide suitable extraction/ventilation at processing machines. If necessary: Local ventilation. see also section 7.

**Safe handling advice:**

Handle in accordance with good industrial hygiene and safety practice. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used. If necessary: Local ventilation.

**Contact avoidance measures:**

No data available.

### Storage

**Safe storage conditions:**

Keep in a dry place. Take precautionary measures against static discharges.

**Safe packaging materials:**

No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

#### Biological Limit Values

No biological exposure limits noted for the ingredient(s).

### Appropriate Engineering Controls

Provide suitable extraction/ventilation at processing machines. If necessary: Local ventilation. see also section 7.

### Individual protection measures, such as personal protective equipment

**Eye/face protection:**

Safety glasses with side shields

**Skin Protection**
**Hand Protection:**

Additional Information: Wear protective gloves made of the following materials: material, rubber, leather. Additional Information: The data about break through time/strength of material is not valid for undissolved solids/dust.

**Skin and Body Protection:**

No special protective equipment required. Safety showers and eye showers should be easily accessible. In order to determine further specifications applicable to the personal protection equipment, a hazard assessment according to the OSHA standards (29 CFR 1910.132) for personal protection equipment (PPE) is recommended before the product is used.

**Respiratory Protection:**

No special protective equipment required. If dust occurs: Dust mask with P2 particle filter A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

**Hygiene measures:**

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatted soaps and skin cream for skin care. Wash contaminated clothing before reuse.

**9. Physical and chemical properties**
**Information on basic physical and chemical properties**
**Appearance**

<b>Physical state:</b>	solid
<b>Form:</b>	Powder Granules
<b>Color:</b>	Gray
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not applicable
<b>Melting Point:</b>	Not applicable Decomposition
<b>Boiling Point:</b>	Not applicable Decomposition
<b>Flammability:</b>	not flammable

**Upper/lower limit on flammability or explosive limits**

<b>Explosive limit - upper:</b>	see Explosiveness
<b>Explosive limit - lower:</b>	see Explosiveness
<b>Flash Point:</b>	Not applicable (solid)
<b>Autoignition Temperature:</b>	not pyrophoric
<b>Decomposition Temperature:</b>	> 572 °F/> 300 °C
<b>pH:</b>	Approximate 6

**Viscosity**

<b>Dynamic viscosity:</b>	Not applicable solid
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<b>Kinematic viscosity:</b>	Not applicable solid
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	hardly soluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable
<b>Vapor pressure:</b>	Not applicable
<b>Relative density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Bulk density:</b>	50 - 500 kg/m <sup>3</sup>
<b>Vapor density (air=1):</b>	No data available.

**Other information**

<b>Oxidizing properties:</b>	not oxidizing
<b>Minimum ignition temperature:</b>	Not applicable
<b>Self-heating:</b>	Not applicable
<b>Peroxides:</b>	Not applicable
<b>Dust explosion properties:</b>	Not dust explosive
<b>Evaporation Rate:</b>	Not applicable
<b>Minimum ignition energy:</b>	does not ignite

**10. Stability and reactivity**

<b>Reactivity:</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions:</b>	No hazardous reactions are known if properly handled and stored.
<b>Conditions to avoid:</b>	Hydrophobic properties disappear at temperatures > 300°C
<b>Incompatible Materials:</b>	None known.
<b>Hazardous Decomposition Products:</b>	Carbon Monoxide. Carbon Dioxide. organic products of decomposition Stable under normal conditions. Product will not undergo hazardous polymerization.

**11. Toxicological information****Information on toxicological effects****Information on likely routes of exposure**

<b>Inhalation:</b>	Information on effects are given below.
<b>Skin Contact:</b>	Information on effects are given below.
<b>Eye contact:</b>	Information on effects are given below.
<b>Ingestion:</b>	Information on effects are given below.

**Acute toxicity (list all possible routes of exposure)****Oral****Product:** Not classified for acute toxicity based on available data.**Dermal****Product:** Not classified for acute toxicity based on available data.**Inhalation****Product:** Not classified for acute toxicity based on available data.**Repeated dose toxicity****Product:** No data available.**Skin Corrosion/Irritation****Product:** Based on available data, the classification criteria are not met.**Serious Eye Damage/Eye Irritation****Product:** Based on available data, the classification criteria are not met.**Respiratory or Skin Sensitization****Product:** None known.**Carcinogenicity****Product:** Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**ACGIH: US.ACGIH Threshold Limit Values:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity**

no evidence of mutagenic effects

**In vitro****Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.

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**Aspiration Hazard****Product:** Not classified**Information on health hazards****Other hazards****Product:** No toxicological tests are available on the product.; An Expert Judgment stated that no classification is necessary based on present knowledge.;**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** Figure relates to the main component  
LC 50 (Brachydanio rerio (zebrafish), 96 h): > 1,000 mg/l The reported toxic effects relate to the nominal concentration.**Aquatic Invertebrates****Product:** Figure relates to the main component  
EC 50 (Daphnia magna, 48 h): > 100 mg/l The reported toxic effects relate to the nominal concentration.**Toxicity to Aquatic Plants****Product:** No data available.**Toxicity to microorganisms****Product:** Figure relates to the main component EC 50 (activated sludge): > 1,000 mg/l (OECD 209) The reported toxic effects relate to the nominal concentration.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Toxicity to microorganisms****Product:** Figure relates to the main component EC 50 (activated sludge): > 1,000 mg/l (OECD 209) The reported toxic effects relate to the nominal concentration.**Persistence and Degradability****Biodegradation****Product:** The methods designed to assess persistence and biodegradability are not applicable to this product, in analogy to inorganic substances.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)**

Product name: TEGO® Therm HPG 4000

**Product:** Not to be expected.**Partition Coefficient n-octanol / water (log Kow)****Product:** Log Kow: Not applicable**Mobility in soil:****Product** No remarkable mobility in soil is to be expected.**Results of PBT and vPvB assessment:****Product** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.**Other adverse effects:****Other hazards****Product:** An Expert Judgment stated that no classification is necessary based on present knowledge.**Additional Information:** No ecotoxicological data is available for this product.**13. Disposal considerations****Disposal methods:** Review all local, state and federal regulations concerning health and pollution for appropriate disposal procedures.**Contaminated Packaging:** Offer rinsed packaging material to local recycling facilities. Other countries: observe the national regulations. Uncontaminated packaging may be recycled. Disposal according to local authority regulations.**14. Transport information****Domestic regulation****49 CFR**

Not regulated as a dangerous good

Remarks : Not dangerous according to transport regulations.

**International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**15. Regulatory information****US Federal Regulations**



**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**
**Hazard categories**

Not classified

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

None present or none present in regulated quantities.

**US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

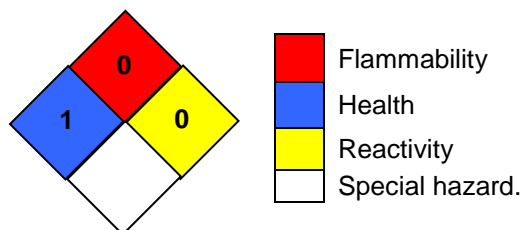
None present or none present in regulated quantities.

**US State Regulations**
**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**Inventory Status:**

Canada DSL Inventory List:	On or in compliance with the inventory	
US TSCA Inventory:	On or in compliance with the inventory	Commercial Status: Active

**16. Other information, including date of preparation or last revision**
**NFPA Hazard ID**


Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date:** 03/18/2019

**Version #:** 1.5

**Further Information:** No data available.

**Revision Information** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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