# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

**Revision Date** 11-May-2026 **Version** 3

## 1. Identification

**Product identifier**

**Product Name** OPTIMUM GREY GASKET MAKER 3 OZ.

**Other means of identification**

**Product Code** 27036

**Synonyms** CAN Item Number 59923

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Sealant

**Restrictions on use** No information available

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

**Manufacturer Address**
ITW Permatex, Inc.
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

**May Also Be Distributed by:**
ITW Permatex Canada
101-2360 Bristol Circle
Oakville, ON Canada L6H 6M5
Telephone: (800) 924-6994

**E-mail address** mail@permatex.com

**Emergency telephone number**

**Company Phone Number** 866-732-9502

**24 Hour Emergency Phone Number** Chem-Tel: 800-255-3924
International Emergency:
00+1+ 813-248-0585
Contract Number: MIS0003453

**24-hour emergency phone number** No information available

## 2. Hazard(s) identification

**Classification**

| | |
|---|---|
| Carcinogenicity | Category 2 |

**Label elements**

**Contains TITANIUM DIOXIDE**

**Warning**

**Hazard statements**
Suspected of causing cancer.

**Precautionary Statements - Prevention**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves, protective clothing, eye protection and face protection.
**Precautionary Statements - Response**
IF exposed or concerned: Get medical advice/attention.

**Precautionary Statements - Storage**
Store locked up.
**Precautionary Statements - Disposal**
Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

40.23 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
37.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
87.23 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
87.23 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
87.23 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Other Information**
No information available.

## 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture**

**Synonyms** CAN Item Number 59923.

| Chemical name | CAS No. | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|---|---|---|---|---|
| CALCIUM CARBONATE | 471-34-1 | 7-13% | - | - |
| TITANIUM DIOXIDE | 13463-67-7 | 0.1-1% | - | - |

## 4. First-aid measures

**Description of first aid measures**

**General advice** IF exposed or concerned: Get medical advice/attention.

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin contact** Wash skin with soap and water.

**Ingestion** Rinse mouth.

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

**Symptoms** No information available.

**Effects of Exposure** Suspected of causing cancer.

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

**Note to physicians** Treat symptomatically.

## 5. Fire-fighting measures

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Small Fire** In case of fire, use water spray, foam, dry chemical, or CO2.
**Large Fire** In case of fire, use water spray, foam, dry chemical, or CO2.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** No information available.

**Hazardous combustion products** No information available.

**Explosion data**
**Sensitivity to mechanical impact** None.
**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

## 6. Accidental release measures

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

**Personal precautions** Ensure adequate ventilation.

**Other information** Refer to protective measures listed in Sections 7 and 8.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

**Control Parameters**
**Exposure Limits**

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---|---|---|---|
| CALCIUM CARBONATE<br>471-34-1 | - | - | TWA: 10 mg/m³; total dust<br>TWA: 5 mg/m³; respirable dust |
| TITANIUM DIOXIDE<br>13463-67-7 | TWA: 0.2 mg/m³ nanoscale respirable particulate matter<br>TWA: 2.5 mg/m³ finescale respirable particulate matter | TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust | TWA: 2.4 mg/m³; CIB 63 fine<br>TWA: 0.3 mg/m³; CIB 63 ultrafine, including engineered nanoscale<br>IDLH: 5000 mg/m³ |

| Chemical name | Alberta | British Columbia | Ontario | Quebec |
|---|---|---|---|---|
| CALCIUM CARBONATE<br>471-34-1 | TWA: 10 mg/m³; | - | - | TWAEV: 10 mg/m³; total dust |
| TITANIUM DIOXIDE<br>13463-67-7 | TWA: 10 mg/m³; | TWA: 10 mg/m³; total dust<br>TWA: 3 mg/m³; respirable fraction | TWA: 10 mg/m³; | TWAEV: 10 mg/m³; total dust |

| Chemical name | Manitoba | New Brunswick | Newfoundland and Labrador | Nova Scotia |
|---|---|---|---|---|
| TITANIUM DIOXIDE | TWA: 0.2 mg/m³; nanoscale respirable particulate matter<br>TWA: 2.5 mg/m³; finescale respirable particulate matter | TWA: 10 mg/m³; | TWA: 0.2 mg/m³; nanoscale respirable particulate matter<br>TWA: 2.5 mg/m³; finescale respirable particulate matter | TWA: 0.2 mg/m³; nanoscale respirable particulate matter<br>TWA: 2.5 mg/m³; finescale respirable particulate matter |

| Chemical name | Nunavut | Prince Edward Island | Saskatchewan | Yukon |
|---|---|---|---|---|
| CALCIUM CARBONATE | TWA: 10 mg/m³;<br>STEL: 20 mg/m³; | | TWA: 10 mg/m³;<br>STEL: 20 mg/m³; | TWA: 30 mppcf;<br>TWA: 10 mg/m³;<br>STEL: 20 mg/m³; |
| TITANIUM DIOXIDE | TWA: 10 mg/m³;<br>STEL: 20 mg/m³; | TWA: 0.2 mg/m³; nanoscale respirable particulate matter<br>TWA: 2.5 mg/m³; finescale respirable particulate matter | TWA: 10 mg/m³;<br>STEL: 20 mg/m³; | TWA: 30 mppcf;<br>TWA: 10 mg/m³;<br>STEL: 20 mg/m³; |

**Appropriate engineering controls**

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

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

| | |
|---|---|
| **Eye/face protection** | Wear safety glasses with side shields (or goggles). |
| **Hand protection** | Wear suitable gloves. |
| **Skin and body protection** | Wear suitable protective clothing. |
| **Respiratory protection** | Use appropriate respiratory protection. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. |
| **General hygiene considerations** | Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. |
| **Thermal hazards** | No information available. |

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | Paste / Gel Liquid |
| **Appearance** | No information available |
| **Color** | Gray |
| **Odor** | No information available |
| **Odor threshold** | No information available |

| Property | Values | Remarks • Method |
|---|---|---|
| **pH** | No data available | |
| **Melting point / freezing point** | No data available | |
| **Boiling point / boiling range** | No data available | Polymerization |
| **Flash point** | > 95 °C / 203 °F | |
| **Evaporation rate** | Not applicable | |
| **Flammability (solid, gas)** | No data available | |
| **Flammability Limit in Air** | | |
| **Upper flammability limit:** | No data available | |
| **Lower flammability limit:** | No data available | |
| **Vapor pressure** | <5 mm Hg @ 80°F | |
| **Vapor density** | No data available | |
| **Relative density** | 1.41 | |
| **Water solubility** | No Data Available | |
| **Solubility(ies)** | No data available | |
| **Partition coefficient** | No data available | |
| **Autoignition temperature** | No data available | |
| **Decomposition temperature** | No data available | |
| **Kinematic viscosity** | No data available | |
| **Dynamic viscosity** | No data available | |
| **Particle characteristics** | | |
| **Particle Size** | No data available | |
| **Particle Size Distribution** | No data available | |

**Other information**

| | |
|---|---|
| **Explosive properties** | No information available |
| **Oxidizing properties** | No information available |
| **Softening point** | No information available |
| **Molecular weight** | No information available |
| **VOC content** | No information available |
| **Density** | No information available |
| **Bulk density** | No information available |

## 10. Stability and reactivity

**Reactivity** No information available.

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions** None under normal processing.

**Hazardous polymerization** No information available.

**Conditions to avoid** None known based on information supplied.

**Incompatible materials** None known based on information supplied.

**Hazardous decomposition products** None known based on information supplied.

## 11. Toxicological information

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Acute toxicity** .

**Numerical measures of toxicity**

**The following ATE values have been calculated for the mixture**

| | | |
|---|---|---|
| **ATEmix (oral)** | 16,957.60 | mg/kg |
| **ATEmix (dermal)** | 10,724.10 | mg/kg |
| **ATEmix (inhalation-gas)** | 99,999.00 | ppm |
| **ATEmix (inhalation-vapor)** | 99,999.00 | mg/L |
| **ATEmix (inhalation-dust/mist)** | 99,999.00 | mg/L |

40.23 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
37.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
87.23 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
87.23 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
87.23 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| CALCIUM CARBONATE<br>471-34-1 | = 6450 mg/kg ( Rat ) | > 2000 mg/kg ( Rat ) | > 3 mg/L ( Rat ) 4 h |
| TITANIUM DIOXIDE<br>13463-67-7 | > 2000 mg/kg ( Rat ) | - | > 5.09 mg/L ( Rat ) 4 h |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| TITANIUM DIOXIDE<br>13463-67-7 | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans | Group 2B - Possibly carcinogenic to humans | - | Present |

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**
A3 - Animal Carcinogen
**IARC (International Agency for Research on Cancer)**
Group 2B - Possibly carcinogenic to humans
**Occupational Safety and Health Administration of the US Department of Labor**
X - Present

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## 12. Ecological information

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

**Persistence and degradability** No information available.

**Bioaccumulative potential**

**Component Information**

**Other adverse effects** No information available.

## 13. Disposal considerations

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**US EPA Waste Number** Waste designations and classifications should be determined by the end user based on the

application for which the product was used.

## 14. Transport information

| | |
|---|---|
| **DOT** | Not regulated |
| **TDG** | Not regulated |
| **MEX** | Not regulated |
| **ICAO (air)** | Not regulated |
| **IATA** | Not regulated |
| **IMDG** | Not regulated |

## 15. Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**

| | |
|---|---|
| **TSCA** | Complies |
| **DSL/NDSL** | Complies |
| **EINECS/ELINCS** | Not determined |
| **ENCS** | Not determined |
| **IECSC** | Not determined |
| **KECI** | Not determined |
| **PICCS** | Not determined |
| **AICS** | Not determined |
| **NZIoC** | Not Determined |

**Legend:**
**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 Chemicals Inventory
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AICS** - Australian Inventory of Chemical Substances
**NZIoC** - New Zealand Inventory of Chemicals

**US 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.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**
This product contains the following Proposition 65 chemicals:

| Chemical name | California Proposition 65 |
|---|---|
| TITANIUM DIOXIDE - 13463-67-7 | *Carcinogen (airborne, unbound particles of respirable size) |

*The asterisked chemical(s) listed are not subject to Proposition 65 because they are not airborne in the finished product

**U.S. State Right-to-Know Regulations**

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| TITANIUM DIOXIDE<br>13463-67-7 | X | X | X |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. Other information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **NFPA** | **Health hazards** | 0 | **Flammability** | 1 | **Instability** | 0 | **Special hazards** | - | |
| **HMIS** | **Health hazards** | * | **Flammability** | 1 | **Physical hazards** | 0 | **Personal protection** | X | |

*Chronic Hazard Star Legend* ** = Chronic Health Hazard*

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

**Legend**
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| | | | |
|---|---|---|---|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |
| + | Sensitizers | | |

**Key literature references and sources for data used to compile the SDS**
U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
U.S. Environmental Protection Agency
U.S. EPA Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

**Revision Date** 11-May-2026

**Revision Note** No information available.

**Disclaimer**

**The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.**