

SAFETY DATA SHEET



PERIDIAM® QUALITY 1010

Version 3.1 / USA
102000022684

1/9
Revision Date: 11/03/2021
Print Date: 11/04/2021

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name PERIDIAM® QUALITY 1010
Product code (UVP) 79924143
SDS Number 102000022684

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

Use Seed Coating
Restrictions on use See product label for restrictions.

Information on supplier

Supplier Bayer CropScience LP
800 North Lindbergh Blvd.
St. Louis, MO 63167
USA
Responsible Department Email: SDSINFO.BCS-NA@bayer.com
Emergency telephone no.
Emergency Telephone Number (24hr/ 7 days) 1-800-334-7577
Product Information Telephone Number 1-866-99BAYER (1-866-992-2937)

SECTION 2: HAZARDS IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.
No health hazards not otherwise classified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Component Name | CAS-No. | Concentration % by weight |
|---|---------|---------------------------|
| No hazardous components as defined by OSHA, 29 CFR 1910.1200. | | |

SAFETY DATA SHEET



PERIDIAM® QUALITY 1010

Version 3.1 / USA
102000022684

2/9
Revision Date: 11/03/2021
Print Date: 11/04/2021

SECTION 4: FIRST AID MEASURES

Description of first aid measures

| | |
|---|---|
| General advice | When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment. |
| Inhalation | Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately. |
| Skin contact | Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately. |
| Eye contact | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately. |
| Ingestion | Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended. |
| Most important symptoms and effects, both acute and delayed | |
| Symptoms | To date no symptoms are known. |
| Indication of any immediate medical attention and special treatment needed | |
| Treatment | Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. |

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

| | |
|-------------------|--|
| Suitable | Foam, Carbon dioxide (CO ₂), Dry chemical, Water spray |
| Unsuitable | High volume water jet |

Special hazards arising from the substance or mixture Dangerous gases are evolved in the event of a fire.

Advice for firefighters

Special protective equipment for firefighters Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further information Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Flash point >100 °C / 212 °F

SAFETY DATA SHEET



PERIDIAM® QUALITY 1010

Version 3.1 / USA
102000022684

3/9
Revision Date: 11/03/2021
Print Date: 11/04/2021

| | |
|----------------------------------|-------------------|
| Auto-ignition temperature | No data available |
| Lower explosion limit | No data available |
| Upper explosion limit | No data available |
| Explosivity | Not applicable |

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional advice Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal.

Reference to other sections Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle and open container in a manner as to prevent spillage. Use only in area provided with appropriate exhaust ventilation.

Hygiene measures Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.
Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Protect from freezing.

SAFETY DATA SHEET



PERIDIAM® QUALITY 1010

Version 3.1 / USA
102000022684

4/9
Revision Date: 11/03/2021
Print Date: 11/04/2021

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No known occupational limit values.

Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

| | |
|------------------------------------|--|
| Respiratory protection | When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations. |
| Hand protection | Chemical resistant nitrile rubber gloves |
| Eye protection | Safety glasses with side-shields |
| Skin and body protection | Wear long-sleeved shirt and long pants and shoes plus socks. |
| General protective measures | Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|--|-----------------------|
| Form | suspension |
| Colour | white to light beige |
| Odour | slight |
| Odour Threshold | No data available |
| pH | 7 - 8 (100 %) (23 °C) |
| Melting point/range | No data available |
| Boiling Point | No data available |
| Flash point | > 100 °C / 212 °F |
| Flammability | No data available |
| Auto-ignition temperature | No data available |
| Thermal decomposition | No data available |
| Minimum ignition energy | No data available |
| Self-accelerating decomposition temperature | No data available |

SAFETY DATA SHEET



PERIDIAM® QUALITY 1010

Version 3.1 / USA
102000022684

5/9
Revision Date: 11/03/2021
Print Date: 11/04/2021

(SADT)

| | |
|---|------------------------------------|
| Upper explosion limit | No data available |
| Lower explosion limit | No data available |
| Vapour pressure | No data available |
| Evaporation rate | No data available |
| Relative vapour density | No data available |
| Relative density | No data available |
| Density | ca. 1.20 g/cm ³ (20 °C) |
| Water solubility | dispersible |
| Partition coefficient: n-octanol/water | No data available |
| Viscosity, dynamic | 500 - 800 mPa.s (25 °C) |
| Viscosity, kinematic | No data available |
| Oxidizing properties | No data available |
| Explosivity | Not applicable |

SECTION 10: STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity | Stable under normal conditions. |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | freezing |
| Incompatible materials | No incompatible materials known. |
| Hazardous decomposition products | No decomposition products expected under normal conditions of use. |

SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|--------------------------|--|
| Exposure routes | Inhalation, Skin Absorption, Eye contact |
| Immediate Effects | |
| Eye | May cause eye irritation. |
| Skin | May cause skin irritation. |

SAFETY DATA SHEET



PERIDIAM® QUALITY 1010

Version 3.1 / USA
102000022684

6/9
Revision Date: 11/03/2021
Print Date: 11/04/2021

Inhalation May cause respiratory tract irritation.

Information on toxicological effects

Acute oral toxicity ATE (Mix) (Rat) > 2,000 mg/kg

Acute inhalation toxicity ATE (Mix) (Rat) > 5.0 mg/l
Exposure time: 4 h

Acute dermal toxicity ATE (Mix) (Rat) > 2,000 mg/kg
Calculation method

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation slight irritation

Respiratory or skin sensitisation No data available

ACGIH

None.

NTP

None.

IARC

None.

OSHA

None.

Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

No toxicology information is available.
The information is derived from the properties of the individual components.

SECTION 12: ECOLOGICAL INFORMATION

Results of PBT and vPvB assessment

Environmental precautions Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.
Do not allow to get into surface water, drains and ground water.
Apply this product as specified on the label.

SAFETY DATA SHEET



PERIDIAM® QUALITY 1010

Version 3.1 / USA
102000022684

7/9
Revision Date: 11/03/2021
Print Date: 11/04/2021

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-------------------------------|--|
| Product | Follow advice on product label and/or leaflet. Dispose in accordance with all local, state/provincial and federal regulations. |
| Contaminated packaging | Do not re-use empty containers. Triple rinse containers. Puncture container to avoid re-use. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State/Provincial and local authorities, by burning. If burned, stay out of smoke. |
| RCRA Information | Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply. |

SECTION 14: TRANSPORT INFORMATION

According to national and international transport regulations this material is not classified as dangerous goods / hazardous material.

Freight Classification: ADHESIVE, ADJUVANTS, SPREADERS, OR STICKERS, SPRAYABLE

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

TSCA list

| | |
|------------------|------------|
| Water | 7732-18-5 |
| Titanium dioxide | 13463-67-7 |
| 1,2-Propanediol | 57-55-6 |
| Kaolin | 1332-58-7 |

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

No export notification needs to be made.

SARA Title III - Section 302 - Notification and Information

Not applicable.

SARA Title III - Section 313 - Toxic Chemical Release Reporting

None.

US States Regulatory Reporting

CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

SAFETY DATA SHEET



PERIDIAM® QUALITY 1010

Version 3.1 / USA
102000022684

8/9
Revision Date: 11/03/2021
Print Date: 11/04/2021

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| | | |
|---------------------------------|------------|---------------|
| Titanium dioxide | 13463-67-7 | Carcinogenic. |
| Anatase (TiO ₂) | 1317-70-0 | Carcinogenic. |
| Crystalline quartz (respirable) | 14808-60-7 | Carcinogenic. |

US State Right-To-Know Ingredients

| | | |
|-----------------------------|------------|------------|
| Mica (less than 1 % quartz) | 12001-26-2 | CA, MN, RI |
| Titanium dioxide | 13463-67-7 | MN, RI |
| 1,2-Propanediol | 57-55-6 | MN, RI |
| Kaolin | 1332-58-7 | MN, RI |

Environmental

CERCLA

None.

Clean Water Section 307(a)(1)

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

| | |
|---------|---|
| 49CFR | Code of Federal Regulations, Title 49 |
| ACGIH | US. ACGIH Threshold Limit Values |
| ATE | Acute toxicity estimate |
| CAS-Nr. | Chemical Abstracts Service number |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| EINECS | European inventory of existing commercial substances |
| ELINCS | European list of notified chemical substances |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| N.O.S. | Not otherwise specified |
| NTP | US. National Toxicology Program (NTP) Report on Carcinogens |
| OECD | Organization for Economic Co-operation and Development |
| TDG | Transportation of Dangerous Goods |
| TWA | Time weighted average |
| UN | United Nations |
| WHO | World health organisation |

NFPA 704 (National Fire Protection Association):

Health - 1 Flammability - 1 Instability - 0 Others - none

HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 1 Flammability - 1 Physical Hazard - 0 PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

SAFETY DATA SHEET



PERIDIAM® QUALITY 1010

Version 3.1 / USA
102000022684

9/9

Revision Date: 11/03/2021
Print Date: 11/04/2021

Reason for Revision: Reviewed and updated for general editorial purposes.

Revision Date: 11/03/2021

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

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are registered trademarks of Bayer.