

SAFETY DATA SHEET



Revision Date 02-Mar-17
Version 1

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

1.1 Product identifier

Product name Terraneo
Product code 011101006087

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

Recommended Use Restricted to professional users
Restrictions on use No information available
Uses advised against Not suitable for use in homemaker (DIY) applications

1.3 Details of the supplier of the safety data sheet

Supplier Dryvit Systems, Inc
One Energy Way,
West Warwick, RI 02893
Phone Number: (401) 822-4100
Toll Free Number: (800) 556-7752

E-mail Address ehs@dryvit.com

1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

| | |
|-----------------|-------------|
| Carcinogenicity | Category 1A |
|-----------------|-------------|

2.2 Label elements

Signal Word
Danger

Hazard Statements
May cause cancer

**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Wash hands and face thoroughly after handling
 Do not eat, drink or smoke when using this product

Precautionary Statements - Response

Get medical advice/attention if you feel unwell
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 Rinse skin with water/shower
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 Fight fire with normal precautions from a reasonable distance

Precautionary Statements - Storage

Store in accordance with local regulations

Precautionary Statements - Disposal

Refer to manufacturer/supplier for information on recovery/recycling

2.3. Other Hazards Hazards not otherwise classified (HNOC)

Not Applicable

2.4 Other information

Not Applicable

Unknown Acute Toxicity 20.9847% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients

Substance
Mixture

| Chemical Name | CAS-No | Weight % |
|--|------------|----------|
| Crystalline silica (Quartz) (Respirable) | 14808-60-7 | 70 - 80% |
| Mica | 12001-26-2 | 0 - 10% |
| CLAY (KAOLIN) | 1332-58-7 | 0 - 10% |
| Titanium dioxide | 13463-67-7 | 0 - 10% |
| Iron oxide | 1309-37-1 | 0 - 10% |
| CHROMIUM (III) OXIDE | 1308-38-9 | 0 - 10% |
| 2-(2-BUTOXYETHOXY)ETHANOL | 112-34-5 | 0 - 10% |

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

4. First aid measures

4.1 Description of first-aid measures

General advice If symptoms persist, call a physician.

| | |
|---------------------|---|
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician if irritation develops or persists. |
| Skin contact | Immediate medical attention is not required. Call a physician if irritation develops or persists. |
| Inhalation | Immediate medical attention is not required. Get medical attention if symptoms occur. Call a physician if irritation develops or persists. |
| Ingestion | If swallowed, do not induce vomiting - seek medical advice. |

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician No information available.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None.

5.2 Special hazards arising from the substance or mixture

Special Hazard

No information available.

Hazardous Combustion Products No information available.

Explosion Data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

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

Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill.

6.2 Environmental precautions

Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods for Containment Spills and leaks are not likely. 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 Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Store in accordance with local regulations. Keep from freezing.

Materials to Avoid Strong oxidizing agents. Strong acids. Strong bases.

8. Exposure controls/personal protection**8.1 Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | British Columbia | Alberta | Quebec | Ontario TWAEV |
|---|--|--|---|------------------------------|---|-----------------------------|
| Crystalline silica (Quartz) (Respirable) 14808-60-7 | TWA: 0.025 mg/m ³ respirable fraction | : (30)/(%SiO ₂ + 2) mg/m ³ TWA total dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction | TWA: 0.025 mg/m ³ | TWA: 0.025 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.10 mg/m ³ |
| Mica 12001-26-2 | TWA: 3 mg/m ³ respirable fraction | TWA: 20 mppcf <1% Crystalline silica | TWA: 3 mg/m ³ | TWA: 3 mg/m ³ | TWA: 3 mg/m ³ | TWA: 3 mg/m ³ |
| CLAY (KAOLIN) 1332-58-7 | TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction | TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ | TWA: 5 mg/m ³ | TWA: 2 mg/m ³ |
| Titanium dioxide 13463-67-7 | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust | TWA: 10 mg/m ³ TWA: 3 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ |
| Iron oxide 1309-37-1 | TWA: 5 mg/m ³ respirable fraction | TWA: 10 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction | TWA: 10 mg/m ³ TWA: 3 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 5 mg/m ³ | TWA: 5 mg/m ³ TWA: 10 mg/m ³ | TWA: 5 mg/m ³ |
| CHROMIUM (III) OXIDE 1308-38-9 | TWA: 0.5 mg/m ³ Cr | TWA: 0.5 mg/m ³ Cr | TWA: 0.5 mg/m ³ | TWA: 0.5 mg/m ³ | TWA: 0.5 mg/m ³ | TWA: 0.5 mg/m ³ |
| 2-(2-BUTOXYETHOXY)ETHANOL 112-34-5 | TWA: 10 ppm inhalable fraction and vapor | - | | | | |

8.2 Appropriate engineering controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

8.3 Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur, wear:.. Tightly fitting safety goggles.

Skin and body protection Wear protective gloves/ protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene measures

See section 7 for more information

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

| | | | |
|-----------------------|----------------|-----------------------|----------------------------------|
| Physical state | Liquid | Color | Off-white Gray or Colored liquid |
| Appearance | Viscous liquid | Odor Threshold | No information available |
| Odor | Faint | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Methods</u> |
|------------------------------|-------------------|--------------------------|
| pH | >8 | |
| Melting/freezing point | | No information available |
| Boiling point/boiling range | > 100 °C / 212 °F | |
| Flash Point | no data available | No information available |
| Evaporation rate | | No information available |
| Flammability (solid, gas) | | No information available |
| Flammability Limits in Air | | |
| upper flammability limit | | No information available |
| lower flammability limit | | No information available |
| Vapor pressure | | No information available |
| Vapor density | | No information available |
| Specific Gravity | 0.96 - 1.80 g/cc | |
| Water solubility | Soluble in water | |
| Solubility in other solvents | | No information available |
| Partition coefficient | | No information available |
| Autoignition temperature | | |
| Decomposition temperature | | |
| Viscosity, kinematic | | No information available |
| Viscosity, dynamic | | No information available |
| Explosive properties | | No information available |
| Oxidizing Properties | | No information available |

9.2 Other information

| | |
|---|--------------------|
| Volatile organic compounds (VOC) content | no data available |
| Density | 8.0 - 15.0 lbs/gal |

10. Stability and Reactivity**10.1 Reactivity**

No dangerous reaction known under conditions of normal use

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10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

Do not freeze. To avoid thermal decomposition, do not overheat.

10.5 Incompatible Materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors.

11. Toxicological information

11.1 Acute toxicity

Numerical measures of toxicity: Product Information

Unknown Acute Toxicity 20.9847% of the mixture consists of ingredient(s) of unknown toxicity

Numerical measures of toxicity: Component Information

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---------------------|-------------------------|------------------------|
| Crystalline silica (Quartz) (Respirable) 14808-60-7 | 500 mg/kg (Rat) | - | - |
| Titanium dioxide 13463-67-7 | 10000 mg/kg (Rat) | - | - |
| Iron oxide 1309-37-1 | 10000 mg/kg (Rat) | - | - |
| 2-(2-BUTOXYETHOXY)ETHANOL 112-34-5 | 3384 mg/kg (Rat) | = 2700 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

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

Component Information

- No information available

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|-----------------------------|--------------|-------------|------------|-------------|
| Crystalline silica (Quartz) | A2 | Group 1 | Known | |

| | | | | |
|--------------------------------|---|----------|---|--|
| (Respirable) 14808-60-7 | | | | |
| Titanium dioxide 13463-67-7 | - | Group 2B | - | |

Reproductive toxicityProduct Information

- No information available

Component Information

- No information available

STOT - single exposure

No information available

STOT - repeated exposure

No information available

Other adverse effectsProduct Information

- No information available

Component Information

- No information available

Aspiration hazardProduct Information

- No information available

Component Information

- No information available

12. Ecological information

12.1 Toxicity**Ecotoxicity**

No information available

Ecotoxicity effects

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates |
|---------------------------------------|--|--|---|
| 2-(2-BUTOXYETHOXY)ETHANOL 112-34-5 | EC50: 96 h <i>Desmodesmus subspicatus</i> 100 mg/L | LC50: 96 h <i>Lepomis macrochirus</i> 1300 mg/L static | EC50: 48 h <i>Daphnia magna</i> 100 mg/L |

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Discharge into the environment must be avoided

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

No information available

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

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

15. Regulatory information

15.1 International Inventories

| | |
|----------------------|---|
| TSCA | - |
| DSL | - |
| EINECS/ELINCS | - |
| ENCS | - |
| IECSC | - |
| KECL | - |
| PICCS | - |
| AICS | - |
| NZIoC | - |

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 contains the following Proposition 65 chemicals:

| Chemical Name | California Prop. 65 |
|---|--|
| Crystalline silica (Quartz) (Respirable) - 14808-60-7 | Carcinogen |
| Titanium dioxide - 13463-67-7 | Carcinogen |
| N-(3,4-dichlorophenyl)-N,N-dimethylurea - 330-54-1 | Carcinogen |
| Acetaldehyde - 75-07-0 | Carcinogen |
| Ethylene oxide - 75-21-8 | Carcinogen Developmental Female Reproductive |

| | |
|---------------------------|-------------------|
| | Male Reproductive |
| ETHYL ACRYLATE - 140-88-5 | Carcinogen |
| 1,4-DIOXANE - 123-91-1 | Carcinogen |

16. Other information

| | | | | |
|-------------|-----------------|----------------|-------------------|---------------------------------|
| NFPA | Health Hazard 1 | Flammability 0 | Instability 0 | Physical and chemical hazards - |
| HMIS | Health Hazard 1 | Flammability 0 | Physical Hazard 0 | Personal protection 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

02 – Mar – 17

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