

DriWay + Dry Extraction Powder

SAFETY DATA SHEET

SECTION 1: Identification

1.1 Product identifier

Product name DriWay + Dry Extraction Powder (C260-003, C260-005)

1.4 Supplier's details

Name HOSPECO
Address 10966 Industrial Parkway
Bolivar OH 44612

Telephone 330-874-1017

1.5 Emergency phone number(s)

US, Canada: 800-255-3924. International: +01-813-248-0585

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Combustible dusts
- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 1
- Sensitization, skin, Cat. 1B

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
— May form combustible dust concentrations in air

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash exposed areas thoroughly after handling.

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| | |
|----------------|---|
| P272 | Contaminated work clothing must not be allowed out of the workplace. |
| P280 | Wear eye protection/face protection/protective gloves. |
| P302+P352 | IF ON SKIN: Wash with plenty of water/... |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P363 | Wash contaminated clothing before reuse. |

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Sulfuric acid, mono-C10-16-alkyl esters, sodium salts

Concentration > 5 - > 10 % (weight)
CAS no. 68585-47-7

- Eye damage/irritation, Cat. 1
- Acute toxicity, oral, Cat. 4
- Skin corrosion/irritation, Cat. 2

| | |
|------|---------------------------|
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |

2. Anionic Polymer*

Concentration > 0 - < 5 % (weight)

- Eye damage/irritation, Cat. 1

| | |
|------|---------------------------|
| H318 | Causes serious eye damage |
|------|---------------------------|

3. 33% Hydrogen Peroxide Solution*

Concentration > 0 - < 5 % (weight)

- Hazardous to the aquatic environment, short-term (acute), Cat. 2
- Acute toxicity, oral, Cat. 4
- Oxidizing liquids, Cat. 3
- Eye damage/irritation, Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 4

| | |
|------|--|
| H272 | May intensify fire; oxidizer |
| H302 | Harmful if swallowed |
| H318 | Causes serious eye damage |
| H401 | Toxic to aquatic life |
| H413 | May cause long lasting harmful effects to aquatic life |

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4. Citrus Terpene Surfactant*

Concentration > 5 - < 10 % (weight)

- Flammable liquids, Cat. 3
- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 1
- Sensitization, skin, Cat. 1B
- Hazardous to the aquatic environment, short-term (acute), Cat. 2
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

| | |
|------|---|
| H226 | Flammable liquid and vapor |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H401 | Toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |

5. D-Limonene

Concentration > 0 - < 5 % (weight)

EC no. 227-813-5

CAS no. 5989-27-5

- Aspiration hazard, Cat. 1
- Flammable liquids, Cat. 3
- Hazardous to the aquatic environment - acute hazard, Cat. 1
- Hazardous to the aquatic environment - long-term hazard, Cat. 1
- Sensitization, skin, Cat. 1
- Skin corrosion/irritation, Cat. 2

| | |
|------|--|
| H226 | Flammable liquid and vapor |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

| | |
|-------------------------|---|
| If inhaled | Move to fresh air. Call a physician if symptoms develop or persist. |
| In case of skin contact | Remove contaminated clothing immediately and wash skin with soap and water. |

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| | |
|------------------------|--|
| In case of eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| If swallowed | Rinse mouth. Get medical attention if symptoms occur. |

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO₂).

5.2 Specific hazards arising from the chemical

Airborne concentrations of combustible dust, when combined with an ignition source, can create an explosion hazard if the dust concentration exceeds 30 g/m³. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use only non-sparking tools. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up.

6.3 Methods and materials for containment and cleaning up

Use water spray to reduce vapors or divert vapor cloud drift. Take up mechanically and collect in suitable container for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

7.2 Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. D-Limonene (CAS: 5989-27-5 EC: 227-813-5)

TLV® (Inhalation): 20 ppm (ACGIH)

8.2 Appropriate engineering controls

Eyewash stations. Showers. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

8.3 Individual protection measures, such as personal protective equipment (PPE)

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Eye/face protection

Wear protective eyewear (safety glasses).

Skin protection

Protective gloves

Respiratory protection

Use NIOSH approved respirators to protect against silicosis producing dusts. For dust concentrations: <10x PEL, use an N95 quarter or half mask respirator; <50X PEL, use a full face respirator equipped with N95 filters; <200X PEL, use a powered air purifying respirator (positive pressure) with N95 filters; for dust concentrations >200X the PEL use a type C, supplied air respirator (continuous flow, positive pressure), with a full facepiece.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|---|---------------------|
| Appearance/form (physical state, color, etc.) | Tan granular powder |
| Odor | Citrus |
| Odor threshold | Not applicable |
| pH | Not applicable |
| Melting point/freezing point | Not applicable |
| Initial boiling point and boiling range | Not applicable |
| Flash point | Not applicable |
| Evaporation rate | |
| Flammability (solid, gas) | Not applicable |
| Upper/lower flammability limits | |
| Vapor pressure | Not applicable |
| Vapor density | Not applicable |
| Relative density | 0.89-1.01 |
| Solubility(ies) | Not applicable |
| Partition coefficient: n-octanol/water | Not applicable |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | Not applicable |
| Viscosity | Not applicable |
| Explosive properties | |
| Oxidizing properties | |

SECTION 10: Stability and reactivity

10.1 Reactivity

Keep away from oxidizers and flame

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Exposure to excessive heat. Keep tightly sealed.

10.5 Incompatible materials

Strong oxidizing agents.

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SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation

May cause skin irritation.

Serious eye damage/irritation

Causes eye irritation.

Respiratory or skin sensitization

May cause skin sensitization.

SECTION 12: Ecological information

Persistence and degradability

Biodegradable

SECTION 13: Disposal considerations

Disposal of the product

Dispose of contents/container in accordance with local/regional/national/international regulations.

Disposal of contaminated packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

DOT (US)

UN Number:

Class:

Packing Group:

Proper Shipping Name:

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

IMDG

UN Number:

Class:

Packing Group:

EMS Number:

Proper Shipping Name:

IATA

UN Number:

Class:

Packing Group:

Proper Shipping Name:

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

D-Limonene

Pennsylvania Right To Know Components

D-Limonene

New Jersey Right To Know Components

D-Limonene

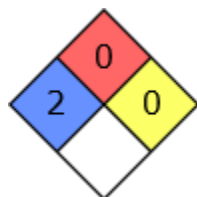
California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

HMIS Rating

| DriWay + Dry Extraction Powder | |
|--------------------------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | |

NFPA Rating



SECTION 16: Other information

DriWay + Dry Extraction Powder

SAFETY DATA SHEET

This Safety Data Sheet is offered solely for your information, consideration and investigation. There are no warranties, either expressed or implied and no responsibility is assumed for the accuracy or completeness of the data contained herein.