

# SAFETY DATA SHEET

# spectrum®



Revision date 10-June-2022

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** DIGOXIGENIN

### Other means of identification

**Product Code(s)** D3189

**UN/ID no** UN2811

**Synonyms** None

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

**Recommended use** No information available

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

#### Supplier Address

Spectrum Chemical Mfg. Corp.  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000

### Emergency telephone number

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. Hazard(s) identification

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

|   |            |
|---|------------|
| Acute toxicity - Oral                     | Category 1 |
| Acute toxicity - Dermal                   | Category 2 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 1 |

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

**Danger**

### Hazard statements

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).  
Fatal if swallowed

Fatal in contact with skin  
Fatal if inhaled



**Appearance** Crystalline powder or powder

**Physical state** Solid

**Odor** No information available

#### Precautionary Statements - Prevention

Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
Do not get in eyes, on skin, or on clothing  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling

#### Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician  
IF ON SKIN: Wash with plenty of water  
Take off immediately all contaminated clothing and wash it before reuse  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
IF SWALLOWED: Rinse mouth.

#### Precautionary Statements - Storage

Store locked up.  
Store in a well-ventilated place  
Keep tightly closed.

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Other information

No information available.

### 3. Composition/information on ingredients

#### Substance

| Chemical name | CAS No    | Weight-% | Trade secret |
|---------------|-----------|----------|--------------|
| Digoxigenin   | 1672-46-4 | 100      | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

#### Description of first aid measures

##### General advice

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

##### Inhalation

If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Do not breathe dust. Do not use mouth-to-mouth method if victim

ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen.

|   |  |
|---|--|
| <b>Eye contact</b>                        | Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing.   |
| <b>Skin contact</b>                       | Get immediate medical advice/attention. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  |
| <b>Ingestion</b>                          | Get immediate medical advice/attention. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.  |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not breathe dust. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Use personal protective equipment as required. See section 8 for more information. |

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

**Symptoms** Coughing and/ or wheezing. Difficulty in breathing.

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

**Note to physicians** Treat symptomatically.

### **5. Fire-fighting measures**

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Large Fire</b>                                     | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Unsuitable extinguishing media</b>                 | Do not scatter spilled material with high pressure water streams.  |
| <b>Specific hazards arising from the chemical</b>     | No information available.  |
| <b>Explosion data</b>                                 |  |
| <b>Sensitivity to mechanical impact</b>               | none.  |
| <b>Sensitivity to static discharge</b>                | none.  |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

### **6. Accidental release measures**

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

|                             |   |
|-----------------------------|---|
| <b>Personal precautions</b> | Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid generation of dust. Do not breathe dust. Keep people away from and upwind of spill/leak. |
| <b>Other information</b>    | Refer to protective measures listed in Sections 7 and 8.  |

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

|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so. |
| <b>Methods for cleaning up</b> | Pick up and transfer to properly labeled containers.  |

## 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. Take off contaminated clothing and wash before reuse. Do not breathe dust. Avoid generation of dust. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

## 8. Exposure controls/personal protection

### Control parameters

#### **Exposure Limits**

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

### 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. Impervious gloves.

#### **Skin and body protection**

Impervious clothing. Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

#### **Respiratory protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### **General hygiene considerations**

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended. Do not breathe dust. Take off contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### **Physical state**

Solid

#### **Appearance**

Crystalline powder or powder

|                       |                          |
|-----------------------|--------------------------|
| <b>Color</b>          | White                    |
| <b>Odor</b>           | No information available |
| <b>Odor threshold</b> | No information available |

| <u>Property</u>                               | <u>Values</u>   | <u>Remarks • Method</u> |
|---|---|-------------------------|
| <b>pH</b>                                     | no data available   | None known              |
| <b>Melting point / freezing point</b>         | 222 °C °C / 431.6 °F  | None known              |
| <b>Boiling point / boiling range</b>          | no data available   | None known              |
| <b>Flash point</b>                            | no data available   | None known              |
| <b>Evaporation rate</b>                       | no data available   | None known              |
| <b>Flammability (solid, gas)</b>              | no data available   | None known              |
| <b>Flammability Limit in Air</b>              |   | None known              |
| <b>Upper flammability or explosive limits</b> | No data available   |                         |
| <b>Lower flammability or explosive limits</b> | No data available   |                         |
| <b>Vapor pressure</b>                         | No data available   | None known              |
| <b>Vapor density</b>                          | no data available   | None known              |
| <b>Relative density</b>                       | 1.3   | None known              |
| <b>Water solubility</b>                       | Insoluble in water  | None known              |
| <b>Solubility(ies)</b>                        | Very soluble in Ethanol<br>Very soluble in Methanol<br>Slightly soluble in chloroform | None known              |
| <b>Partition coefficient</b>                  | No data available   | None known              |
| <b>Autoignition temperature</b>               | no data available   | None known              |
| <b>Decomposition temperature</b>              |   | None known              |
| <b>Kinematic viscosity</b>                    | no data available   | None known              |
| <b>Dynamic viscosity</b>                      | No data available   | None known              |
| <b><u>Other information</u></b>               |   |                         |
| <b>Explosive properties</b>                   | No information available  |                         |
| <b>Oxidizing properties</b>                   | No information available  |                         |
| <b>Softening point</b>                        | No information available  |                         |
| <b>Molecular weight</b>                       | No information available  |                         |
| <b>VOC Content (%)</b>                        | No information available  |                         |
| <b>Liquid Density</b>                         | No information available  |                         |
| <b>Bulk density</b>                           | No information available  |                         |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | No information available.                 |
| <b>Chemical stability</b>                 | Stable under normal conditions.           |
| <b>Possibility of hazardous reactions</b> | None under normal processing.             |
| <b>Conditions to avoid</b>                | Excessive heat.                           |
| <b>Incompatible materials</b>             | None known based on information supplied. |
| <b>Hazardous decomposition products</b>   | None known based on information supplied. |

## 11. Toxicological information

### Information on likely routes of exposure

#### **Product Information**

|                    |  |
|--------------------|--|
| <b>Inhalation</b>  | Specific test data for the substance or mixture is not available. Fatal if inhaled. (based on components). |
| <b>Eye contact</b> | Specific test data for the substance or mixture is not available.  |

|                     |  |
|---------------------|--|
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. Fatal in contact with skin. (based on components). |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Fatal if swallowed. (based on components).         |

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

**Symptoms** Coughing and/ or wheezing. Difficulty in breathing.

**Acute toxicity**

**Numerical measures of toxicity**  
No information available

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

|  |                           |
|--|---------------------------|
| <b>Skin corrosion/irritation</b>         | No information available. |
| <b>Serious eye damage/eye irritation</b> | No information available. |
| <b>Respiratory or skin sensitization</b> | No information available. |
| <b>Germ cell mutagenicity</b>            | No information available. |
| <b>Reproductive toxicity</b>             | No information available. |
| <b>STOT - single exposure</b>            | No information available. |
| <b>STOT - repeated exposure</b>          | No information available. |
| <b>Aspiration hazard</b>                 | No information available. |
| <b>Other adverse effects</b>             | No information available. |
| <b>Interactive effects</b>               | No information available. |

**12. Ecological information**

|                                      |   |
|--------------------------------------|---|
| <b>Ecotoxicity</b>                   | The environmental impact of this product has not been fully investigated. |
| <b>Persistence and degradability</b> | No information available.   |
| <b>Bioaccumulation</b>               | Inherently biodegradable.   |
| <b>Other adverse effects</b>         | No information available.   |

**13. Disposal considerations**

**Waste treatment methods**

|  |   |
|--|---|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.  |

**14. Transport information**

|                              |                               |
|------------------------------|-------------------------------|
| <b><u>DOT</u></b>            |                               |
| <b>UN/ID no</b>              | UN2811                        |
| <b>Proper Shipping Name:</b> | Toxic solids, organic, n.o.s. |
| <b>Hazard class</b>          | 6.1                           |

**Packing group:** I  
**Special Provisions** IB7, T6, TP33  
**Marine Pollutant** Severe Marine Pollutant  
**Description:** UN2811, Toxic solids, organic, n.o.s., 6.1, I  
**Emergency Response Guide Number** 154

**TDG**

**UN-No:** UN2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Hazard class** 6.1  
**Packing Group:** I  
**Description:** UN2811, Toxic solid, organic, n.o.s., 6.1, I

**MEX**

**UN-No** UN2811  
**Proper Shipping Name** Toxic solid, organic, n.o.s.  
**Hazard class** 6.1  
**Special Provisions** 274  
**Packing Group** I  
**Description** UN2811, Toxic solid, organic, n.o.s., 6.1, I

**ICAO (air)**

**UN-No:** UN2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Hazard class** 6.1  
**Packing Group:** I  
**Special Provisions** A3, A5  
**Description:** UN2811, Toxic solid, organic, n.o.s., 6.1, I

**IATA**

**UN number** UN2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Transport hazard class(es)** 6.1  
**Packing group** I  
**Description:** UN2811, Toxic solid, organic, n.o.s., 6.1, I

**IMDG**

**UN number** UN2811  
**Proper shipping name** Toxic solid, organic, n.o.s.  
**Transport hazard class(es)** 6.1  
**Packing group** I  
**EmS-No** F-A, S-A  
**Special Provisions** 274  
**Marine pollutant** NP1  
**Description** UN2811, Toxic solid, organic, n.o.s., 6.1, I

**RID**

**UN number** UN2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Transport hazard class(es)** 6.1  
**Packing group** I  
**Classification code** T2  
**Special Provisions** 274, 614  
**Description:** UN2811, Toxic solid, organic, n.o.s., 6.1, I  
**Labels** 6.1

**ADR**

**UN number** 2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Transport hazard class(es)** 6.1  
**Packing group** I  
**Classification code** T2  
**Tunnel restriction code** (C/E)  
**Special Provisions** 274, 614  
**Description:** 2811, Toxic solid, organic, n.o.s., 6.1, I, (C/E)

Labels 6.1

**ADN**

UN/ID No UN2811  
Proper shipping name Toxic solid, organic, n.o.s.  
Transport hazard class(es) 6.1  
Packing Group I  
Classification code T2  
Special Provisions 274, 614, 802  
Description UN2811, Toxic solid, organic, n.o.s., 6.1, I  
Hazard label(s) 6.1  
Limited quantity (LQ) 0  
Equipment Requirements PP, EP

**15. Regulatory information**

**International Inventories**

TSCA Not listed

Note \*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

DSL/NDSL Does not Comply  
EINECS/ELINCS Complies  
ENCS This product complies with ENCS:  
IECSC This product does not comply with china:  
KECL Does not Comply  
PICCS Does not Comply  
AICS This product does not comply with AICS

**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 and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances

**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 does not contain any Proposition 65 chemicals.

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

This product does not contain any substances regulated under applicable state right-to-know regulations

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## **16. Other information**

### NFPA

**Health hazards** 4

**Flammability** 0

**Instability** 0

**Physical and chemical properties** -

### HMIS

**Health hazards** 4

**Flammability** 0

**Physical hazards** 0

**Personal protection** X

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

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

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         |      |                                  |

### **Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

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 GHS Classification

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)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

**Revision date** 10-June-2022

**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.

**End of Safety Data Sheet**