

# SAFETY DATA SHEET

# spectrum®



Revision date 06-January-2022

Revision Number 2

## 1. Identification

### Product identifier

**Product Name** DIETHYL PHTHALATE, NF

### Other means of identification

**Product Code(s)** D1097

**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

|  |             |
|--|-------------|
| Serious eye damage/eye irritation                | Category 2B |
| Specific target organ toxicity (single exposure) | Category 3  |

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

#### Warning

#### Hazard statements

Causes eye irritation  
May cause respiratory irritation. May cause drowsiness or dizziness



**Appearance** clear

**Physical state** Liquid

**Odor** No information available

#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area

#### **Precautionary Statements - Response**

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  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
Call a POISON CENTER or doctor if you feel unwell

#### **Precautionary Statements - Storage**

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

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### **Other information**

Causes mild skin irritation. Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

### **3. Composition/information on ingredients**

#### **Substance**

| Chemical name     | CAS No  | Weight-% | Trade secret |
|-------------------|---------|----------|--------------|
| Diethyl Phthalate | 84-66-2 | 100      | *            |

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

### **4. First-aid measures**

#### **Description of first aid measures**

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Show this safety data sheet to the doctor in attendance.   |
| <b>Inhalation</b>     | Remove to fresh air. IF exposed or concerned: Get medical advice/attention.  |
| <b>Eye contact</b>    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention if irritation develops and persists.<br>Remove contact lenses, if present and easy to do. Continue rinsing. |
| <b>Skin contact</b>   | Wash skin with soap and water.   |
| <b>Ingestion</b>      | Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water.<br>Never give anything by mouth to an unconscious person. Call a physician.   |

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

**Symptoms** Prolonged contact may cause redness and irritation.

**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.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**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** Carbon Monoxide, Carbon Dioxide.

**Explosion data**

**Sensitivity to mechanical impact** none.

**Sensitivity to static discharge** none.

**Special protective equipment for fire-fighters** 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**

**Personal precautions** Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing.

**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** 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.

**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** 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**                      None required for consumer use. Wear safety glasses with side shields (or goggles).

**Hand protection**                            Wear suitable gloves.

**Skin and body protection**                Wear suitable 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.

**General hygiene considerations**      Avoid contact with skin, eyes or clothing.

## **9. Physical and chemical properties**

### Information on basic physical and chemical properties

**Physical state**                                Liquid  
**Appearance**                                clear  
**Color**    Colorless  
**Odor**    No information available  
**Odor threshold**                              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>         | no data available                | 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>                       | 1.12                             | None known              |
| <b>Water solubility</b>                       | Slightly soluble in water        | None known              |
| <b>Solubility(ies)</b>                        | Soluble in most organic solvents | 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              |

### 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  
**Liquid 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.

**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. Causes eye irritation. May cause redness, itching, and pain.

**Skin contact** Specific test data for the substance or mixture is not available. Causes mild skin irritation.

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

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

**Symptoms** May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

### Acute toxicity

#### Numerical measures of toxicity

| Chemical name                | Oral LD50            | Dermal LD50           | Inhalation LC50         |
|------------------------------|----------------------|-----------------------|-------------------------|
| Diethyl Phthalate<br>84-66-2 | = 8600 mg/kg ( Rat ) | > 11200 mg/kg ( Rat ) | > 4.64 mg/L ( Rat ) 6 h |

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

**Skin corrosion/irritation** May cause skin irritation. Classification based on data available for ingredients.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Irritating to eyes.

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

**Germ cell mutagenicity** No information available.

**Reproductive toxicity** No information available.

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

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

**Target organ effects** respiratory system, Eyes, Skin, central nervous system, Peripheral Nervous System (PNS), Reproductive System.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

| Chemical name                | Algae/aquatic plants   | Fish   | Toxicity to microorganisms | Crustacea   |
|------------------------------|--|--|----------------------------|---|
| Diethyl Phthalate<br>84-66-2 | EC50: 2.11 - 4.29mg/L (96h, Pseudokirchneriella subcapitata) EC50: 42 - 255mg/L (72h, Pseudokirchneriella subcapitata) EC50: =21mg/L (96h, Desmodesmus subspicatus) EC50: =23mg/L (72h, Desmodesmus subspicatus) | LC50: =12mg/L (96h, Oncorhynchus mykiss) LC50: =16.7mg/L (96h, Lepomis macrochirus) LC50: =16.8mg/L (96h, Pimephales promelas) LC50: =17mg/L (96h, Pimephales promelas) LC50: =22mg/L (96h, Lepomis macrochirus) | -                          | EC50: 36 - 74mg/L (48h, Daphnia magna) EC50: =86mg/L (48h, Daphnia magna) |

**Persistence and degradability** No information available.

**Bioaccumulation** Inherently biodegradable.

### Component Information

| Chemical name                | Partition coefficient |
|------------------------------|-----------------------|
| Diethyl Phthalate<br>84-66-2 | 2.35                  |

**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.

## 14. Transport information

**DOT** not regulated  
**Proper Shipping Name:** Not regulated (although listed Table 1 to Appendix A - Hazardous Substances Other Than Radionuclides, it is not regulated for transport in sold quantities, which are below the Reportable Quantity (RQ))

**TDG** not regulated

**MEX** not regulated

**ICAO (air)** not regulated

**IATA** not regulated

**IMDG** not regulated

**RID** not regulated

ADR not regulated

ADN not regulated

## 15. Regulatory information

### International Inventories

**TSCA** Complies

**DSL/NDSL** Complies

**EINECS/ELINCS** Complies

**ENCS** This product complies with ENCS:

**IECSC** This product complies with China:

**KECL** Complies

**PICCS** Complies

**AICS** All the constituents of this material are listed on the Australian Inventory of Chemical Substances (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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical name                | Hazardous Substances RQs            | Extremely Hazardous Substances RQs |
|------------------------------|-------------------------------------|------------------------------------|
| Diethyl Phthalate<br>84-66-2 | 1000 lb final RQ<br>454 kg final RQ | -                                  |

### US State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

| Chemical name                | New Jersey | Massachusetts | Pennsylvania         |
|------------------------------|------------|---------------|----------------------|
| Diethyl Phthalate<br>84-66-2 | sn 0707    | Present       | Environmental hazard |

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## 16. Other information

### NFPA

**Health hazards** 1

**Flammability** 0

**Instability** 0

**Physical and chemical properties** -

### HMIS

**Health hazards** 2

**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** 06-January-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**