

# Safety Data Sheet

## MasterSet DELVO

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### 1. Identification

#### Product identifier used on the label

## MasterSet DELVO

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

Recommended use\*: for industrial and professional users

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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

Company:  
BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Chemical family: No data available.

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### 2. Hazards Identification

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

|                   |    |                                   |
|-------------------|----|-----------------------------------|
| Skin Corr./Irrit. | 2  | Skin corrosion/irritation         |
| Eye Dam./Irrit.   | 2A | Serious eye damage/eye irritation |
| Skin Sens.        | 1B | Skin sensitization                |

#### Label elements

Pictogram:

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Signal Word:  
Warning

Hazard Statement:

H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.

Precautionary Statements (Prevention):

P280 Wear protective gloves and eye/face protection.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333 + P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.  
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

| <u>CAS Number</u> | <u>Weight %</u>  | <u>Chemical name</u>                           |
|-------------------|------------------|--|
| 6419-19-8         | >= 5.0 - < 15.0% | Phosphonic acid, [nitrilotris(methylene)]tris- |
| 1310-73-2         | >= 0.3 - < 3.0%  | Sodium Hydroxide                               |
| 13598-36-2        | >= 0.0 - < 1.0%  | Phosphonic acid                                |
| 59-50-7           | >= 0.0 - < 0.2%  | 4-chloro-3-methyl phenol                       |

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## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

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### **If inhaled:**

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

### **If on skin:**

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

### **If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### **If swallowed:**

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No applicable information available.

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

#### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## **5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

### **Special hazards arising from the substance or mixture**

Hazards during fire-fighting:

carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

### **Advice for fire-fighters**

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

### **Further information:**

The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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### 6. Accidental release measures

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

Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

#### **Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

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### 7. Handling and Storage

#### **Precautions for safe handling**

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

#### **Conditions for safe storage, including any incompatibilities**

No applicable information available.

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

Protect from temperatures below: 5 °C

The packed product must be protected from temperatures below the indicated one.

Protect from temperatures below: 40 °F

The packed product must be protected from temperatures below the indicated one.

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### 8. Exposure Controls/Personal Protection

#### **Components with occupational exposure limits**

|                  |           |               |
|------------------|-----------|---------------|
| Sodium Hydroxide | OSHA PEL  | PEL 2 mg/m3 ; |
|                  | ACGIH TLV | CLV 2 mg/m3 ; |

#### **Advice on system design:**

No applicable information available.

#### **Personal protective equipment**

##### **Respiratory protection:**

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

##### **Hand protection:**

Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

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### Eye protection:

Safety glasses with side-shields.

### Body protection:

Body protection must be chosen based on level of activity and exposure.

### General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

## 9. Physical and Chemical Properties

|   |   |
|---|---|
| Form:   | liquid  |
| Odour:  | odourless   |
| Odour threshold:                                    | No applicable information available.  |
| Colour:   | red   |
| pH value:   | 3.5<br>( 20 °C)   |
| Freezing point:                                     | -3 °C   |
| Boiling point:                                      | 105 °C  |
| <i>Information on: Water</i>                        |   |
| Boiling point:                                      | 100 °C  |
| -----   |   |
| Sublimation temperature:                            | No applicable information available.  |
| Flash point:  | A flash point determination is unnecessary due to the high water content.                         |
| Upper explosion limit:                              | No applicable information available.  |
| Autoignition:                                       | Based on the water content the product does not ignite.   |
| Vapour pressure:                                    | 0.0227 ATM<br>contains water, negligible  |
| Density:  | 1.061 - 1.075 g/cm <sup>3</sup><br>( 20 °C)   |
| Vapour density:                                     | Heavier than air.   |
| Partitioning coefficient n-octanol/water (log Pow): | not applicable  |
| Thermal decomposition:                              | No decomposition if stored and handled as prescribed/indicated.                                   |
| Viscosity, dynamic:                                 | not determined  |
| Viscosity, kinematic:                               | No applicable information available.  |
| Solubility in water:                                | ( 20 °C)<br>soluble   |
| Miscibility with water:                             | ( 20 °C)<br>soluble   |
| Solubility (quantitative):                          | No applicable information available.  |
| Solubility (qualitative):                           | No applicable information available.  |
| Evaporation rate:                                   | not determined  |
| Other Information:                                  | If necessary, information on other physical and chemical parameters is indicated in this section. |

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### 10. Stability and Reactivity

#### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effect on: mild steel Aluminium The product is not to be labelled as corrosive for transport purposes.

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

#### Conditions to avoid

See MSDS section 7 - Handling and storage.

#### Incompatible materials

strong acids, strong bases, strong oxidizing agents, strong reducing agents

#### Hazardous decomposition products

Decomposition products:

Possible decomposition products: phosphines, carbon oxides

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. Based on available Data, the classification criteria are not met. The product has not been tested. The statement has been derived from the properties of the individual components.

##### Inhalation

No applicable information available.

##### Assessment other acute effects

Assessment of STOT single:

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

##### Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

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### Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

### Aspiration Hazard

No aspiration hazard expected.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: No reliable data was available concerning repeated dose toxicity. Based on available Data, the classification criteria are not met.

### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

### Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

### Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

### Teratogenicity

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

### Other Information

The product has not been tested. The statement has been derived from the properties of the individual components.

## **Symptoms of Exposure**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## **12. Ecological Information**

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:

Based on available Data, the classification criteria are not met. There is a high probability that the product is not acutely harmful to aquatic organisms.

#### Toxicity to fish

LC0 (96 h) 5,000 mg/l, *Salmo gairdneri*, syn. *O. mykiss*

#### Aquatic invertebrates

LC0 (48 h) 400 mg/l, *Daphnia magna*

### **Persistence and degradability**

Assessment biodegradation and elimination (H2O)

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Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

### Bioaccumulative potential

#### Assessment bioaccumulation potential

Discharge into the environment must be avoided.

### Mobility in soil

#### Assessment transport between environmental compartments

No data available.

### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## 13. Disposal considerations

### Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Residues should be disposed of in the same manner as the substance/product. Do not discharge into drains/surface waters/groundwater.

### Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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## 14. Transport Information

### Land transport

USDOT

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed



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**EPCRA 311/312 (Hazard categories):** Acute;

| <u>CERCLA RQ</u> | <u>CAS Number</u>  | <u>Chemical name</u>                       |
|------------------|--------------------|--|
| 5000 LBS         | 59-50-7; 7664-38-2 | 4-chloro-3-methyl phenol; Phosphoric acid  |
| 1000 LBS         | 1310-73-2          | Sodium Hydroxide                           |
| 100 LBS          | 3251-23-8; 50-00-0 | Nitric acid, copper(2+) salt; Formaldehyde |

**CA Prop. 65:**

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

**NFPA Hazard codes:**

Health : 2      Fire: 0      Reactivity: 0      Special:

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## 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2017/03/14

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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