

# Safety Data Sheet

## Inoterra™ DWE

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Version: 5.0

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(30367240/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

**Inoterra™ DWE**

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

Recommended use\*: surfactant

Suitable for use in industrial sector: chemical industry

\* 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: surfactant

Synonyms: Not available. Use: Raw material for the chemical-technical industry

### 2. Hazards Identification

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

#### Classification of the product

|                   |          |
|-------------------|----------|
| Acute Tox.        | 4 (oral) |
| Skin Corr./Irrit. | 2        |
| Eye Dam./Irrit.   | 1        |
| Aquatic Acute     | 3        |

|  |
|--|
| Acute toxicity                               |
| Skin corrosion/irritation                    |
| Serious eye damage/eye irritation            |
| Hazardous to the aquatic environment - acute |

#### Label elements

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Pictogram:



Signal Word:

Danger

Hazard Statement:

|      |                            |
|------|----------------------------|
| H318 | Causes serious eye damage. |
| H315 | Causes skin irritation.    |
| H302 | Harmful if swallowed.      |
| H402 | Harmful to aquatic life.   |

Precautionary Statements (Prevention):

|      |   |
|------|---|
| P280 | Wear protective gloves and eye/face protection.               |
| P273 | Avoid release to the environment.                             |
| P270 | Do not eat, drink or smoke when using this product.           |
| 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. |
| P310               | Immediately call a POISON CENTER or doctor/physician.  |
| P303 + P352        | IF ON SKIN (or hair): Wash with plenty of soap and water.  |
| P330               | Rinse mouth.   |
| P362 + P364        | Take off contaminated clothing and wash it before reuse.   |

Precautionary Statements (Disposal):

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

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

#### Labeling of special preparations (GHS):

This classification is based on the current CESIO recommendations.

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 88 %

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## 3. Composition / Information on Ingredients

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

Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut off value.

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## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

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### **If inhaled:**

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

### **If on skin:**

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

### **If in eyes:**

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

### **If swallowed:**

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

## **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., Further important symptoms and effects are so far not known.

## **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:  
water spray, dry powder, foam

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

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

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

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus in confined areas or when exposed to combustion products.

### **Further information:**

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**

Use personal protective clothing. Information regarding personal protective measures see, section 8.

### **Environmental precautions**

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Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).

Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

Spills should be contained, solidified, and placed in suitable containers for disposal.

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## 7. Handling and Storage

### Precautions for safe handling

Keep container tightly closed. Protect from the effects of light.

Protection against fire and explosion:

No special precautions necessary.

### Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep in a cool place.

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## 8. Exposure Controls/Personal Protection

### Personal protective equipment

#### Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Tightly fitting safety goggles (chemical goggles).

#### Body protection:

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

#### General safety and hygiene measures:

Wearing of closed work clothing is required additionally to the stated personal protection equipment.

No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and Chemical Properties

|                  |  |
|------------------|--|
| Form:            | liquid   |
| Odour:           | product specific                                   |
| Odour threshold: | not determined                                     |
| Colour:          | colourless to slightly yellow                      |
| pH value:        | 5 - 8<br>( 1 %(m), 25 °C)<br>(as aqueous solution) |

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|   |  |            |
|---|--|------------|
| Freezing point:                                     | not determined   |            |
| Boiling point:                                      | not determined   |            |
| Flash point:  | > 148 °C   | (ASTM D92) |
| Flammability:                                       | not determined   |            |
| Lower explosion limit:                              | For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point. |            |
| Upper explosion limit:                              | For liquids not relevant for classification and labelling.   |            |
| Autoignition:                                       | not determined   |            |
| Vapour pressure:                                    | < 0.35 mmHg<br>( 20 °C)  |            |
| Density:  | ( 20 °C)<br>not determined   |            |
| Relative density:                                   | No data available.   |            |
| Vapour density:                                     | not determined   |            |
| Partitioning coefficient n-octanol/water (log Pow): | not applicable   |            |
| Self-ignition temperature:                          | not self-igniting  |            |
| Thermal decomposition:                              | not determined   |            |
| Viscosity, dynamic:                                 | not determined   |            |
| Particle size:                                      | The substance / product is marketed or used in a non solid or granular form.   |            |
| Solubility in water:                                | not determined   |            |
| Evaporation rate:                                   | not determined   |            |
| Other Information:                                  | If necessary, information on other physical and chemical parameters is indicated in this section.                            |            |

## 10. Stability and Reactivity

### Reactivity

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

Oxidizing properties:  
not fire-propagating

### Chemical stability

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

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.  
The product is chemically stable.

### Conditions to avoid

See MSDS section 7 - Handling and storage.

### Incompatible materials

acids, Alkalines, caustics, halogens, reactive chemicals

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

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Thermal decomposition:  
not determined

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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: Harmful if swallowed.

#### Oral

Type of value: LD50

Species: rat

Value: 500 - 2,000 mg/kg

LD50 judged > 500 mg/kg based on deaths at 200 mg/kg (0/6) and 2000 mg/kg (2/3) plus oral LD50 data on surrogate chemicals.

#### Irritation / corrosion

Assessment of irritating effects: Causes serious eye damage. Causes skin irritation. May cause irritations to the respiratory tract.

#### Skin

Species: rabbit

Result: Irritant.

Method: OECD Guideline 404

#### Eye

Species: rabbit

Result: Risk of serious damage to eyes.

Method: OECD Guideline 405

### Chronic Toxicity/Effects

#### Other Information

The product has not been tested. The statements on toxicology have 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., Further important symptoms and effects are so far not known.

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## 12. Ecological Information

### Toxicity

#### Aquatic invertebrates

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EC50 (48 h) 10 - 100 mg/l, Daphnia magna

Analogous: Assessment derived from products with similar chemical character.

### Aquatic plants

EC50 (72 h) 10 - 100 mg/l, Scenedesmus subspicatus

Analogous: Assessment derived from products with similar chemical character.

## Persistence and degradability

### Elimination information

>= 90 % Bismuth-active substance (mod. OECD 303A)

Analogous: Assessment derived from products with similar chemical character.

> 60 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) Readily biodegradable.

Analogous: Assessment derived from products with similar chemical character.

## Mobility in soil

### Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is possible.

## Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. Do not release untreated into natural waters.

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. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### **Container disposal:**

Dispose of in accordance with national, state and local regulations.

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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

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**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

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

**Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

**WARNING:** This product can expose you to chemicals including ETHYLENE OXIDE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**NFPA Hazard codes:**

Health: 3 Fire: 1 Reactivity: 0 Special:

**HMIS III rating**

Health: 3 Flammability: 1 Physical hazard: 0

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## 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2018/07/11

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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