

# Safety Data Sheet

## Lugalvan® DC

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(30042710/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Lugalvan® DC

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

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

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### 2. Hazards Identification

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

#### Classification of the product

No need for classification according to GHS criteria for this product.

#### Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

#### Hazards not otherwise classified

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

### **According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

#### **Emergency overview**

##### **CAUTION:**

INGESTION MAY CAUSE GASTRIC DISTURBANCES.

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Avoid contact with the skin, eyes and clothing.

Eye wash fountains and safety showers must be easily accessible.

Use with local exhaust ventilation.

Wear NIOSH-certified chemical goggles.

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Wear chemical resistant protective gloves.

Wear protective clothing.

### **3. Composition / Information on Ingredients**

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

This product does not contain any components classified as hazardous under the referenced regulation.

#### **According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

<b><u>CAS Number</u></b>	<b><u>Content (W/W)</u></b>	<b><u>Chemical name</u></b>
7732-18-5	75.004 %	Water
9010-77-9	21.0 %	2-Propenoic acid polymer with ethene
108-01-0	3.992 %	2-dimethylaminoethanol

### **4. First-Aid Measures**

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

##### **General advice:**

Remove contaminated clothing.

##### **If inhaled:**

Keep patient calm, remove to fresh air.

##### **If on skin:**

Wash thoroughly with soap and water.

##### **If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

##### **If swallowed:**

Rinse mouth and then drink plenty of water.

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

Symptoms: No significant symptoms are expected due to the non-classification of the product.

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

#### Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

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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:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental release measures

### Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

### Personal precautions, protective equipment and emergency procedures

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

### Environmental precautions

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.

Place absorbed material in the same container as the spilled substance/product for disposal.

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## 7. Handling and Storage

### Precautions for safe handling

### Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

Protect from temperatures below: 15 °C

Protect from temperatures above: 25 °C

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### 8. Exposure Controls/Personal Protection

#### Personal protective equipment

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

Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.

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

Chemical resistant protective gloves

##### **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:**

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes. Remove contaminated clothing.

### 9. Physical and Chemical Properties

Form:	emulsion	
Odour:	product specific	
Odour threshold:		not determined
Colour:	white to yellow	
pH value:	8.5 - 9.5	( 25 °C) (measured with the undiluted substance) (DIN ISO 3013)
solidification temperature:	approx. 0 °C	
Boiling point:	100 °C	
Flash point:	> 100 °C	(DIN EN 22719; ISO 2719)
Flammability:	not flammable	
Lower explosion limit:		Study does not need to be conducted.
Upper explosion limit:		Study does not need to be conducted.
Autoignition:	> 200 °C	(DIN 51794)
Vapour pressure:	23.4 hPa	( 20 °C)
Density:	0.98 - 1.0 g/cm <sup>3</sup>	( 23 °C) (DIN 51757)
Relative density:	0.99	( 20 °C)
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:	72 mPa.s	( 23 °C)
Particle size:		The substance / product is marketed or used in a non solid or granular form.
Solubility in water:		dispersible
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.

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

strong acids, strong bases, strong oxidizing agents, reactive chemicals

#### Hazardous decomposition products

Decomposition products:

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

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

##### Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

##### Inhalation

Type of value: LC50

Species: rat

not determined

##### Dermal

Type of value: LD50

Species: rat

not determined

##### Assessment other acute effects

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No data available.

### Skin

Species: rabbit  
Result: non-irritant  
Method: BASF-Test

### Eye

Species: rabbit  
Result: non-irritant  
Method: BASF-Test

### Sensitization

Assessment of sensitization: No data available.

### Aspiration Hazard

No aspiration hazard expected.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: No data available.

### Genetic toxicity

Assessment of mutagenicity: No data available concerning mutagenic effects.

### Carcinogenicity

Assessment of carcinogenicity: No data available concerning carcinogenic effects.

### Reproductive toxicity

Assessment of reproduction toxicity: No data available.

### Teratogenicity

Assessment of teratogenicity: No data available.

### Other Information

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

## **Symptoms of Exposure**

No significant symptoms are expected due to the non-classification of the product.

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## **12. Ecological Information**

### **Toxicity**

#### Toxicity to fish

LC50 (96 h) > 100 mg/l, *Leuciscus idus*

#### Aquatic invertebrates

LC50 (48 h), daphnia  
not determined

#### Aquatic plants

EC50 (72 h), algae

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not determined

Chronic toxicity to fish  
No data available.

Chronic toxicity to aquatic invertebrates  
No data available.

### **Microorganisms/Effect on activated sludge**

Toxicity to microorganisms  
DEV-L2 : > 1,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O)  
The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

Elimination information

> 70 % DOC reduction Easily eliminated from water.

### **Bioaccumulative potential**

Assessment bioaccumulation potential  
The product has not been tested.

### **Mobility in soil**

Assessment transport between environmental compartments  
No data available.

### **Additional information**

Sum parameter

Chemical oxygen demand (COD): 450 mg/g

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:  
The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition. Do not allow to enter soil, waterways or waste water channels.

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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.

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### Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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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

EPCRA 311/312 (Hazard categories): Not hazardous;

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
5000 LBS	79-10-7	acrylic acid
100 LBS	74-85-1	ethene

### State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
MA, NJ, PA	108-01-0	2-dimethylaminoethanol

#### NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

#### HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

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## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations  
SDS Prepared on: 2015/03/31



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