

# Safety Data Sheet

## Larostat® FPE S Antistat

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Version: 1.0

(30085740/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

**Larostat® FPE S Antistat**

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

Recommended use\*: Chemical

\* The "Recommended use" identified for this product is provided solely to comply with a US 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: unspecified  
Synonyms: Loxanol MI 6988. 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

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
STOT RE	2	Specific target organ toxicity — repeated exposure
Aquatic Acute	2	Hazardous to the aquatic environment - acute
Aquatic Chronic	2	Hazardous to the aquatic environment - chronic

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### Label elements

Pictogram:

{ error: { error: { error:  
file not file not file not  
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Signal Word:

Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves and eye/face protection.
P273	Avoid release to the environment.
P260	Do not breathe dust/gas/mist/vapours.
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 + P362	IF ON SKIN (or hair): Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P391	Collect spillage.
P362 + P364	Take off contaminated clothing and wash before reuse.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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### Hazards not otherwise classified

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

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

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 60 % Inhalation - dust

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

### Emergency overview

DANGER:

MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA.

MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA.

CAN CAUSE CARDIAC OR CARDIOVASCULAR DAMAGE BASED ON ANIMAL DATA.

Chronic exposure may cause liver and kidney damage.

Risk of serious damage to eyes.

Irritating to skin.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of dusts/mists/vapours.

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Use with local exhaust ventilation.  
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.  
Wear NIOSH-certified chemical goggles.  
Wear protective clothing.

### 3. Composition / Information on Ingredients

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

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
111-42-2	1.0 - 3.0 %	2,2'-iminodiethanol
120-40-1	50.0 - 75.0 %	Dodecanamide, N,N-bis(2-hydroxyethyl)-

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

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
120-40-1	50.0 - 70.0 %	Dodecanamide, N,N-bis(2-hydroxyethyl)-
7631-86-9	30.0 - 50.0 %	Silicon dioxide
111-42-2	0.5 - 1.5 %	2,2'-iminodiethanol

### 4. First-Aid Measures

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

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

Remove contaminated clothing.

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

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

##### **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:  
dry powder, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

#### 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.

#### 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.

### 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

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 suitable appliance and dispose of.  
For large amounts: Contain with dust binding material and dispose of.  
Dispose of absorbed material in accordance with regulations.

### 7. Handling and Storage

#### Precautions for safe handling

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE)

Further information on storage conditions: Keep container tightly closed. Store in metal or glass containers. Do not store in plastic containers.

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Protect from temperatures above: 49 °C

### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

2,2'-iminodiethanol	OSHA PEL ACGIH TLV	TWA value 3 ppm 15 mg/m3 ; TWA value 1 mg/m3 Inhalable fraction and vapor ; Skin Designation Inhalable fraction and vapor ; The substance can be absorbed through the skin.
Silicon dioxide	OSHA PEL	TWA value 6 mg/m3 ; TWA value 0.8 mg/m3 ; The exposure limit is calculated from the equation, $80/(\%SiO_2)$ , using a value of 100% SiO <sub>2</sub> . Lower percentages of SiO <sub>2</sub> will yield higher exposure limits. TWA value 20 millions of particles per cubic foot of air ;

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

Provide local exhaust ventilation to control vapours/mists.

#### Personal protective equipment

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

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

Observe OSHA regulations for respirator use (29 CFR 1910.134).

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

Chemical resistant protective gloves

Consult with glove manufacturer for testing data.

##### **Eye protection:**

Tightly fitting safety goggles (chemical goggles).

##### **General safety and hygiene measures:**

Employees should shower at the end of the shift. Wash soiled clothing immediately.

### 9. Physical and Chemical Properties

Form:	powder	
Odour:	mild	
Colour:	white	
pH value:	6 - 8	
Melting point:	36 °C	
Boiling point:	> 93 °C	( 1,013 hPa)
Flash point:	> 93.3 °C	(ASTM D93)
Autoignition:		No data available.
Vapour pressure:	< 1.3 hPa	( 25 °C)
Bulk density:	0.5 kg/l	
Thermal decomposition:	No data available.	

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Solubility in water: dispersible  
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.

Corrosion to metals:

No corrosive effect on metal.

#### Chemical stability

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

#### Possibility of hazardous reactions

The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer. Reacts with oxidizing agents.

#### Conditions to avoid

See MSDS section 7 - Handling and storage.

#### Incompatible materials

strong oxidizing agents

#### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

No data available.

### 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

*Information on: Diethanolamine*

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##### Oral

Type of value: LD50

Species: rat (female)

Value: 2,700 mg/kg

The data on toxicology refer to the active ingredient.

##### Dermal

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Type of value: ATE  
Value: > 5,000 mg/kg

### Irritation / corrosion

Assessment of irritating effects: Irritating to skin. Risk of serious damage to eyes.

### Skin

Result: Irritant.

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

### Eye

Result: Risk of serious damage to eyes.

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

## Chronic Toxicity/Effects

### Repeated dose toxicity

*Information on: 2,2'-iminodiethanol*

*Assessment of repeated dose toxicity: Repeated oral exposure may affect certain organs.*

*The substance may cause damage to the upper respiratory tract after repeated inhalation, as shown in animal studies.*

## 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.

## 12. Ecological Information

### Toxicity

#### Toxicity to fish

LC50 10 - 100 mg/l

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

### Persistence and degradability

#### Assessment biodegradation and elimination (H2O)

Inorganic product which cannot be eliminated from water by biological purification processes. The organic component of the product is biodegradable.

### Bioaccumulative potential

#### Bioaccumulation potential

The product will not be readily bioavailable due to its consistency and insolubility in water.

### Mobility in soil

#### Assessment transport between environmental compartments

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

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Adsorption to solid soil phase is possible.

### Additional information

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

## 13. Disposal considerations

### Waste disposal of substance:

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

### Container disposal:

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

## 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

## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute;

#### EPCRA 313:

##### CAS Number

111-42-2

##### Chemical name

2,2'-iminodiethanol

##### CERCLA RQ

100 LBS

##### CAS Number

111-42-2

##### Chemical name

2,2'-iminodiethanol

Reportable Quantity for release:

100 lb

### State regulations



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<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
MA, NJ, PA	7631-86-9	Silicon dioxide
MA, NJ, PA	111-42-2	2,2'-iminodiethanol

### CA Prop. 65:

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

### NFPA Hazard codes:

Health : 3      Fire: 1      Reactivity: 0      Special:

### HMIS III rating

Health: 3      Flammability: 1      Physical hazard: 0

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2015/03/09

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