

# Safety Data Sheet

## Styrofan® D 623

Revision date : 2017/12/06

Version: 1.0

Page: 1/9

(30743868/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Styrofan® D 623

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

Recommended use\*: Raw material

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: Polymer, dispersion

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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.

# Safety Data Sheet

## Styrofan® D 623

Revision date : 2017/12/06  
Version: 1.0

Page: 2/9  
(30743868/SDS\_GEN\_US/EN)

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered. If the product adheres to skin, irritation may occur when it dries.

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

This product is capable of releasing formaldehyde into the air. May cause cancer.

## 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>
50-00-0	0.0 - < 0.05%	Formaldehyde

## 4. First-Aid Measures

### Description of first aid measures

#### **General advice:**

Remove contaminated clothing.

#### **If inhaled:**

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

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

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

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

Flush with copious amounts of water for at least 15 minutes. If irritation develops, seek medical attention.

#### **If swallowed:**

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

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

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

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

#### Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

## 5. Fire-Fighting Measures

### Extinguishing media

# Safety Data Sheet

## Styrofan® D 623

Revision date : 2017/12/06  
Version: 1.0

Page: 3/9  
(30743868/SDS\_GEN\_US/EN)

Suitable extinguishing media:  
water spray, foam, dry powder

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
No particular hazards known.

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.  
Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

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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. Avoid contact with skin and eyes.

### Environmental precautions

Do not release untreated into natural waters.

### Methods and material for containment and cleaning up

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

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.

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## 7. Handling and Storage

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. No special measures necessary provided product is used correctly. Ensure adequate ventilation.

### Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Store protected against freezing.  
Protect from temperatures below: 5 °C  
Protect from temperatures above: 60 °C

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## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

The release and quantity of the stated substance is dependent on the processing conditions.

# Safety Data Sheet

## Styrofan® D 623

Revision date : 2017/12/06  
Version: 1.0

Page: 4/9  
(30743868/SDS\_GEN\_US/EN)

Formaldehyde	OSHA PEL	TWA value 0.75 ppm ; STEL value 2 ppm ; STEL value 2 ppm ; OSHA Action level 0.5 ppm ; TWA value 0.75 ppm ; ACGIH TLV CLV 0.3 ppm ;
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### Advice on system design:

Ensure adequate ventilation.

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

#### General safety and hygiene measures:

Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

## 9. Physical and Chemical Properties

Form:	liquid, dispersion	
Odour:	faintly aromatic	
Odour threshold:	not determined	
Colour:	white	
pH value:	7.8 - 10.0	(DIN ISO 976)
<i>Information on: Water</i>		
Melting point:	0 °C	
<i>Information on: Water</i>		
Boiling point:	100 °C	
Flash point:	> 300 °F	(Unspecified)
Flammability:	not flammable	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	not applicable	
<i>Information on: Water</i>		
Vapour pressure:	23.4 hPa ( 20 °C) Literature data.	
Density:	approx. 1.02 g/cm3 ( 20 °C)	(ISO 2811-1)
Relative density:	No data available.	
Vapour density:	not applicable	
Partitioning coefficient n- octanol/water (log Pow):	not applicable	
Self-ignition temperature:	not self-igniting	

# Safety Data Sheet

## Styrofan® D 623

Revision date : 2017/12/06  
Version: 1.0

Page: 5/9  
(30743868/SDS\_GEN\_US/EN)

Viscosity, dynamic:	35 - 150 mPa.s ( 23 °C)	(DIN EN ISO 3219)
Solids content:	50 - 52 %	(DIN EN ISO 3251)
Solubility in water:	( 15 °C) partly soluble	
Miscibility with water:	miscible	
Other Information:	Range of particle size: < 0,1 µm - 10 µm	

## 10. Stability and Reactivity

### Reactivity

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

Corrosion to metals:

Corrosive effects to metal are not anticipated.

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. After long storage, slight quantities of carbon monoxide may be formed.

The product is chemically stable.

### Conditions to avoid

Avoid extreme heat.

### Incompatible materials

metal salts

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: carbon dioxide, carbon monoxide, hydrocarbons

## 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. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Oral

Type of value: LD50

Species: rat

# Safety Data Sheet

## Styrofan® D 623

Revision date : 2017/12/06  
Version: 1.0

Page: 6/9  
(30743868/SDS\_GEN\_US/EN)

Value: > 2,000 - 10,000 mg/kg

### Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

### Irritation / corrosion

Assessment of irritating effects: If the product adheres to skin, irritation may occur when it dries. Not irritating to the eyes. Not irritating to the skin. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

### Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Aspiration Hazard

not applicable

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: No adverse effects were observed after repeated inhalative exposure in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Carcinogenicity

Assessment of carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

### *Information on: Formaldehyde*

*Assessment of carcinogenicity: NTP listed carcinogen The International Agency for Research on Cancer (IARC) has classified formaldehyde as a Group 1 (known) human carcinogen based on epidemiological evidence linking formaldehyde exposure to occurrence of nasopharyngeal cancer and leukemia. Current regulatory information is provided in this MSDS. No adverse health effects are anticipated if recommended personal protective equipment and industrial hygiene practices are used.*

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### Reproductive toxicity

# Safety Data Sheet

## Styrofan® D 623

Revision date : 2017/12/06  
Version: 1.0

Page: 7/9  
(30743868/SDS\_GEN\_US/EN)

Assessment of reproduction toxicity: Not expected to cause reproductive toxicity (based on composition).

### Teratogenicity

Assessment of teratogenicity: The data available for an assessment of the effect of the substance on developmental toxicity are not sufficient for a proper evaluation.

### Other Information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The statement was derived from products of similar 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, Brachydanio rerio (OECD Guideline 203, static)

#### Aquatic invertebrates

EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

#### Aquatic plants

EC50 (72 h) > 100 mg/l, Scenedesmus subspicatus (OECD Guideline 201)  
Nominal concentration.

### Microorganisms/Effect on activated sludge

#### Toxicity to microorganisms

DIN EN ISO 8192-OECD 209-88/302/EEC,P. C activated sludge, domestic/EC20 (0.5 h): > 100 mg/l

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

### Persistence and degradability

#### Assessment biodegradation and elimination (H2O)

The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

#### Elimination information

Not readily biodegradable.

### Bioaccumulative potential

#### Bioaccumulation potential

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

### Mobility in soil

# Safety Data Sheet

## Styrofan® D 623

Revision date : 2017/12/06  
Version: 1.0

Page: 8/9  
(30743868/SDS\_GEN\_US/EN)

### Assessment transport between environmental compartments

No data available.

### **Additional information**

Adsorbable organically-bound halogen (AOX):

No data available.

Other ecotoxicological advice:

Do not release untreated into natural waters. At the present state of knowledge, no negative ecological effects are expected.

Ecological data are determined by analogy.

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## 13. Disposal considerations

### **Waste disposal of substance:**

Must be sent to a suitable incineration plant, observing local regulations.  
Incinerate or dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater.

### **Container disposal:**

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

**RCRA:** None

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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):** Refer to SDS section 2 for GHS hazard classes applicable for this product.



# Safety Data Sheet

## Styrofan® D 623

Revision date : 2017/12/06  
Version: 1.0

Page: 9/9  
(30743868/SDS\_GEN\_US/EN)

### State regulations

#### State RTK

PA

#### CAS Number

7757-82-6  
50-00-0

#### Chemical name

Sodium sulfate  
Formaldehyde

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

**WARNING:** This product can expose you to chemicals including 1,3-BUTADIENE, 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).

[Other Prop 65 components may be present in the product.]

### **NFPA Hazard codes:**

Health: 1      Fire: 0      Reactivity: 0      Special:

## 16. Other Information

### **SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2017/12/06

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