

# Safety Data Sheet

## Joncryl® 678

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(30183680/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Joncryl® 678

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

Recommended use\*: industrial chemicals

Recommended use\*: for industrial use only

\* 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

##### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Chemical family: Polymer

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### 2. Hazards Identification

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

#### Classification of the product

Aquatic Acute

3

Hazardous to the aquatic environment - acute

#### Label elements

Hazard Statement:

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H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P273 Avoid release to the environment.

Precautionary Statements (Disposal):

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

### Hazards not otherwise classified

The product is under certain conditions capable of dust explosion.

Labeling of special preparations (GHS):

This product is not combustible in the form in which it is shipped by the manufacturer, but may form a combustible dust through downstream activities (e.g. grinding, pulverizing) that reduce its particle size.

## 3. Composition / Information on Ingredients

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

acrylic acid

CAS Number: 79-10-7

Content (W/W):  $\geq 0.3$  -  $< 1.0\%$

Synonym: Acrylic acid

alpha-Methylstyrene

CAS Number: 98-83-9

Content (W/W):  $\geq 0.0$  -  $< 0.5\%$

Synonym: .alpha.-Methylstyrene

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

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

#### If on skin:

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

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

#### If swallowed:

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Seek medical attention.

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

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Symptoms: 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:  
dry powder, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

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:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

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## 6. Accidental release measures

### Further accidental release measures:

Dust can form an explosive mixture with air.

### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use personal protective clothing. Avoid contact with skin and eyes. Handle in accordance with good industrial 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

Nonsparking tools should be used.

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### 7. Handling and Storage

#### Precautions for safe handling

Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:

Electrostatic charge is possible when unpacking the product. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Dust can form an explosive mixture with air.

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

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place. Protect from the effects of light. Keep container in a well-ventilated place.

### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

acrylic acid	ACGIH, US:	TWA value 2 ppm ;
	ACGIH, US:	Skin Designation ; Danger of cutaneous absorption
	ACGIH, US:	Skin Designation ; Danger of cutaneous absorption
alpha-Methylstyrene	OSHA Z1:	CLV 100 ppm 480 mg/m3 ;
	ACGIH, US:	TWA value 10 ppm ;

#### Advice on system design:

Ensure adequate ventilation.

#### Personal protective equipment

##### Respiratory protection:

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

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

##### Hand protection:

Chemical resistant protective gloves

##### Eye protection:

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

##### General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

Form:	solid in various forms
Odour:	acrylic-like
Odour threshold:	not determined
Colour:	colourless

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pH value:	not soluble	
melting range:	140 - 150 °C	
Freezing point:	not applicable	
Boiling point:	The product is a non-volatile solid.	
Flash point:	Study scientifically not justified.	
Flammability:	not flammable	
Autoignition:	Study scientifically not justified.	
SADT:	> 75 °C	
Vapour pressure:	23.4 hPa ( 20 °C) The value has not be determined because of the high melting point.	
Density:	1.16 g/cm3 ( 20 °C)	
Relative density:	1.16 ( 20 °C)	
Bulk density:	400 - 800 kg/m3	
Vapour density:	The product is a non-volatile solid.	
Partitioning coefficient n-octanol/water (log Pow):	< 3 By analogy with a product of similar composition	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	Stable up to the melting point.	
Viscosity, dynamic:	Study technically not feasible.	
Viscosity, kinematic:	Study technically not feasible.	
Particle size:	> 100 nm	(SEM)
% volatiles:	1.34 - 1.46 %	
Solubility in water:	slightly soluble	
Molar mass:	No data available.	
Evaporation rate:	The product is a non-volatile solid.	
Other Information:	No data available.	

## 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

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

### Conditions to avoid

Avoid dust formation.

### Incompatible materials

No substances known that should be avoided.

### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:  
Stable up to the melting point.

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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.

#### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

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

#### Inhalation

Type of value: LC50

Species: rat

Exposure time: 4 h

not determined

#### Dermal

Type of value: LD50

Species: rat

not determined

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and 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: BASF-Test

Test conducted with a similar formulation.

#### Eye

Species: rabbit

Result: non-irritant

Method: BASF-Test

Test conducted with a similar formulation.

#### Sensitization

Assessment of sensitization: Not expected to cause skin sensitization.

Guinea pig maximization test

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Species: guinea pig

Result: Non-sensitizing.

Method: OECD Guideline 406

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

### Aspiration Hazard

No aspiration hazard expected.

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects.

Repeated inhalative uptake of the substance did not cause substance-related effects.

Repeated dermal uptake of the substance did not cause substance-related effects.

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: Based on the ingredients, there is no suspicion of a mutagenic effect.

### Carcinogenicity

Assessment of carcinogenicity: Contains a compound classified as IARC Group 2B (possibly carcinogenic to humans). The effect is caused by an animal specific mechanism that has no human counter part.

*Information on: alpha-Methylstyrene*

*Assessment of carcinogenicity: In long-term studies in rodents exposed to high doses, a tumorigenic effect was found; however, these results are thought to be due to a rodent-specific liver effect that is not relevant to humans.*

### Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

### Teratogenicity

Assessment of teratogenicity: Based on the ingredients, there is no suspicion of a teratogenic effect.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Toxicity to fish

LC50 (48 h) 10 - 100 mg/l, *Leuciscus idus* (static)

#### Aquatic invertebrates

not determined

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### Aquatic plants

No observed effect concentration (72 h) 10 - 100 mg/l (growth rate), Scenedesmus subspicatus (Guideline 92/69/EEC, C.3, static)

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

### Chronic toxicity to fish

No data available regarding toxicity to fish.

### Chronic toxicity to aquatic invertebrates

No data available regarding toxicity to daphnids.

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

### Toxicity to microorganisms

bacterium/EC50: > 500 mg/l

## **Persistence and degradability**

### Assessment biodegradation and elimination (H<sub>2</sub>O)

The polymer component of the product is poorly biodegradable. The ecotoxic component(s) is/are readily biodegradable.

## **Bioaccumulative potential**

### Bioaccumulation potential

At the present state of knowledge, no negative ecological effects are expected.

## **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:

Acutely harmful for aquatic organisms.

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## **13. Disposal considerations**

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

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

### **Container disposal:**

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

The packaging must not be re-used. 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



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### 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.

#### NFPA Hazard codes:

Health: 1 Fire: 1 Reactivity: 0 Special:

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## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2022/01/30

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