

# Safety Data Sheet

## Joncryl® 2664

Revision date : 2019/01/17

Version: 5.3

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(30282431/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Joncryl® 2664

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

Recommended use\*: polymers for inks, varnishes or coatings

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

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Chemical family: Acrylic 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

Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
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#### Label elements

Pictogram:

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Signal Word:  
Warning

Hazard Statement:  
H319 Causes serious eye irritation.

Precautionary Statements (Prevention):  
P280 Wear eye/face protection.  
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.  
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

### Hazards not otherwise classified

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

## 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>
108-01-0	>= 5.0 - < 15.0%	2-dimethylaminoethanol

The amount of neutralizer reported in Section 3 is calculated to be the excess neutralizer after creation of the polymer salt.

The product contains:

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
	> 40.0 - < 50.0%	Amine salt of modified acrylic copolymer
7732-18-5	> 40.0 - < 50.0%	Water

## 4. First-Aid Measures

### Description of first aid measures

**General advice:**  
Immediately remove contaminated clothing.

**If inhaled:**  
Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.

**If on skin:**  
Wash affected areas thoroughly with soap and water. Seek medical attention.

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### **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:**

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

### **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.

### **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:  
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**

### **Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing.

### **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.

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

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### 7. Handling and Storage

#### Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

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

Further information on storage conditions: Keep container tightly closed and in a cool place. Store protected against freezing.

Protect from temperatures below: -2 °C

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### 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

#### 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) and face shield.

##### Body protection:

Impermeable protective clothing

##### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

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### 9. Physical and Chemical Properties

Form:	liquid
Odour:	amine-like
Odour threshold:	No applicable information available.
Colour:	white
pH value:	approx. 8.8 - 9.8 ( 20 - 25 °C)
Freezing point:	0 °C The product has not been tested., Information applies to the solvent.
Boiling point:	100 °C Information applies to the solvent.
Flash point:	No flash point - Measurement made up to the boiling point.
Flammability:	not flammable

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Lower explosion limit:	For liquids not relevant for classification and labelling.
Upper explosion limit:	For liquids not relevant for classification and labelling.
Autoignition:	No data available.
Density:	1.03 g/cm <sup>3</sup> ( 20 °C)
Relative density:	1.03 ( 20 °C)
Vapour density:	not determined
Self-ignition temperature:	not self-igniting
Thermal decomposition:	Stable up to boiling point.
Viscosity, dynamic:	approx. 1,500 mPa.s ( 25 °C)
% volatiles:	13.8 %
Solubility in water:	dispersible
Solubility (qualitative):	soluble
Evaporation rate:	solvent(s): organic solvents, not determined
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

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

### Conditions to avoid

No conditions known that should be avoided.

### Incompatible materials

No substances known that should be avoided.

### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:  
Stable up to boiling point.

## 11. Toxicological information

### Primary routes of exposure

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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: 2-dimethylaminoethanol*

*Assessment of acute toxicity: Of moderate toxicity after short-term skin contact. Of moderate toxicity after single ingestion. Of pronounced toxicity after short-term inhalation.*

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#### Oral

Type of value: ATE

Value: > 5,000 mg/kg

#### Inhalation

Type of value: ATE

Value: > 20.0000 mg/l

Determined for vapor

Type of value: ATE

Value: > 5.0000 mg/l

Determined for mist

#### Dermal

Type of value: ATE

Value: > 5,000 mg/kg

#### Irritation / corrosion

*Information on: 2-dimethylaminoethanol*

*Assessment of irritating effects: Corrosive! Damages skin and eyes.*

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#### Skin

Species: rabbit

Result: non-irritant

Method: BASF-Test

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

#### Eye

Species: rabbit

Result: Irritant.

Method: BASF-Test

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

#### Sensitization

Guinea pig maximization test

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.

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### 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.

#### *Information on: 2-dimethylaminoethanol*

*Assessment of repeated dose toxicity: The substance may cause damage to the central nervous system after repeated ingestion of high doses. The results are preliminary and do not provide a complete understanding of the effect observed.*

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#### Genetic toxicity

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

#### Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

#### 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.

#### *Information on: 2-dimethylaminoethanol*

*Assessment of teratogenicity: Causes developmental effects in animals at high, maternally toxic doses.*

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### **Symptoms of Exposure**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## 12. Ecological Information

### **Toxicity**

#### Toxicity to fish

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

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

#### Aquatic invertebrates

EC50 (48 h) > 100 mg/l, *Daphnia magna* (Screening (style of OECD 202), static)

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

### Aquatic plants

EC50 (72 h), algae

No data available.

### 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

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 (H<sub>2</sub>O)

The polymer component of the product is poorly 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:

According to experience, the material has no harmful effect on the environment.

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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 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



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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

## 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.

### State regulations

#### State RTK

NJ

#### CAS Number

57-55-6

108-01-0

#### Chemical name

Propylene glycol

2-dimethylaminoethanol

PA

57-55-6

108-01-0

Propylene glycol

2-dimethylaminoethanol

#### NFPA Hazard codes:

Health: 2

Fire: 0

Reactivity: 0

Special:

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2019/01/17

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