

# Safety Data Sheet

## Joncryl® ADR-4468

Revision date : 2016/12/08

Version: 3.1

Page: 1/10

(30573787/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Joncryl® ADR-4468

#### 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 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: copolymer

### 2. Hazards Identification

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

#### Classification of the product

Skin Sens.	1	Skin sensitization
Carc.	1B	Carcinogenicity
Repr.	1B (fertility)	Reproductive toxicity

#### Label elements

Pictogram:

# Safety Data Sheet

## Joncryl® ADR-4468

Revision date : 2016/12/08  
Version: 3.1

Page: 2/10  
(30573787/SDS\_GEN\_US/EN)



Signal Word:  
Danger

Hazard Statement:

H317 May cause an allergic skin reaction.  
H360 May damage fertility. Suspected of damaging the unborn child.  
H350 May cause cancer.

Precautionary Statements (Prevention):

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P201 Obtain special instructions before use.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P202 Do not handle until all safety precautions have been read and understood.  
P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P308 + P311 IF exposed or concerned: Call a POISON CENTER or doctor/physician.  
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Storage):

P405 Store locked up.

Precautionary Statements (Disposal):

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

### Hazards not otherwise classified

The product is under certain conditions capable of dust explosion.

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

### Emergency overview

WARNING:

SUSPECT CANCER HAZARD.

Skin sensitizer.

May impair fertility.

Avoid contact with the skin, eyes and clothing.

Keep the formation and deposition of dust to a minimum.

Avoid all sources of ignition: heat, sparks, open flame.

---

## 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>
106-91-2	>= 0.2 - < 0.3%	2,3-epoxypropyl methacrylate

# Safety Data Sheet

## Joncryl® ADR-4468

Revision date : 2016/12/08  
Version: 3.1

Page: 3/10  
(30573787/SDS\_GEN\_US/EN)

May contain substance of plant origin., May contain substance of animal origin.

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

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
106-91-2	>= 0.2 - <= 0.3%	2,3-epoxypropyl methacrylate

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

Immediately remove contaminated clothing. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). First aid personnel should pay attention to their own safety.

##### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

##### If on skin:

Wash affected areas with water while removing contaminated clothing. 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:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, 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.

Hazards: 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.

### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
dry powder, foam

# Safety Data Sheet

## Joncryl® ADR-4468

Revision date : 2016/12/08  
Version: 3.1

Page: 4/10  
(30573787/SDS\_GEN\_US/EN)

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.  
Contaminated extinguishing water must be disposed of in accordance with official regulations.

---

## 6. Accidental release measures

### 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

For small amounts: Pick up with suitable appliance and dispose of.  
For large amounts: Contain with dust binding material and dispose of.  
Nonsparking tools should be used. Avoid raising dust.

---

## 7. Handling and Storage

### Precautions for safe handling

When filling, transferring, or emptying of containers, adequate local exhaust ventilation is necessary. Provide good ventilation of working area (local exhaust ventilation if necessary).

Protection against fire and explosion:  
Avoid dust formation. Electrostatic charge is possible when unpacking the product. Take precautionary measures against static discharges. Sources of ignition should be kept well clear.

Dust can form an explosive mixture with air.

### Conditions for safe storage, including any incompatibilities

The product in undamaged packing need not be stored separately.

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.

Avoid all sources of ignition: heat, sparks, open flame.

---

# Safety Data Sheet

## Joncryl® ADR-4468

Revision date : 2016/12/08  
Version: 3.1

Page: 5/10  
(30573787/SDS\_GEN\_US/EN)

### 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

**Advice on system design:**

No applicable information available.

**Personal protective equipment**

**Respiratory protection:**

Respiratory protection in case of vapour/aerosol release. Breathing protection if breathable aerosols/dust are formed. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

**Hand protection:**

Wear 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., Protective coverall and/or impermeable apron and boots as necessary.

**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	
Odour:	odourless	
Odour threshold:	No applicable information available.	
Colour:	white	
pH value:	not applicable	
solidification temperature:	not applicable	(capillary tube method)
boiling temperature:	( 1,013 hPa) not applicable	
Sublimation temperature:	No applicable information available.	
Flash point:	not applicable, the product is a solid	
Flammability:	not flammable	
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Autoignition:	No applicable information available.	
Vapour pressure:	( 50 °C) not applicable	
Density:	1.16 g/cm3 ( 20 °C)	
Relative density:	1.08 ( 25 °C)	
Bulk density:	685 kg/m3	
Vapour density:	No applicable information available.	

# Safety Data Sheet

## Joncryl® ADR-4468

Revision date : 2016/12/08  
Version: 3.1

Page: 6/10  
(30573787/SDS\_GEN\_US/EN)

Self-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition if correctly stored and handled.
Viscosity, dynamic:	not determined
Viscosity, kinematic:	No applicable information available.
Particle size:	approx. D90 1640 µm (measured) approx. D50 501 µm (measured) approx. D10 82.6 µm (measured)
Solubility in water:	slightly soluble
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Evaporation rate:	The product is a non-volatile solid.
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.

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

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge. Avoid dust formation. Avoid deposition of dust.

### 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 decomposition if correctly stored and handled.

## 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

# Safety Data Sheet

## Joncryl® ADR-4468

Revision date : 2016/12/08  
Version: 3.1

Page: 7/10  
(30573787/SDS\_GEN\_US/EN)

### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

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

### Inhalation

Not inhalable due to the physico-chemical properties of the product.

### Dermal

Type of value: ATE

Value: > 5,000 mg/kg

The statements are based on the properties of the individual components.

### Assessment other acute effects

Assessment of STOT single:

Based on available Data, the classification criteria are not met.

### Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

### Skin

Species: rabbit

Result: non-irritant

Method: BASF-Test

### Eye

Species: rabbit

Result: non-irritant

Method: BASF-Test

### Sensitization

Assessment of sensitization: May cause sensitization by skin contact.

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: No applicable information available.

Experimental/calculated data: The product has not been tested. The statement has been derived from the properties of the individual components.

### Genetic toxicity

Assessment of mutagenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Genetic toxicity in vitro: The product has not been tested. The statement has been derived from the properties of the individual components.

# Safety Data Sheet

## Joncryl® ADR-4468

Revision date : 2016/12/08  
Version: 3.1

Page: 8/10  
(30573787/SDS\_GEN\_US/EN)

Genetic toxicity in vivo: The product has not been tested. The statement has been derived from the properties of the individual components.

### Carcinogenicity

Assessment of carcinogenicity: Contains a suspect carcinogen.

Experimental/calculated data: The product has not been tested. The statement has been derived from the properties of the individual components.

### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

### Reproduction

Experimental/calculated data: The product has not been tested. The statement has been derived from the properties of the individual components.

### Teratogenicity

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

### Development

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

### 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

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

#### Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product.

### Persistence and degradability

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

The polymer component of the product is poorly biodegradable.

#### Elimination information

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

### Bioaccumulative potential



# Safety Data Sheet

## Joncryl® ADR-4468

Revision date : 2016/12/08  
Version: 3.1

Page: 9/10  
(30573787/SDS\_GEN\_US/EN)

### Assessment bioaccumulation potential

Does not significantly accumulate in organisms.

### **Mobility in soil**

### Assessment transport between environmental compartments

No data available.

### **Additional information**

Other ecotoxicological advice:

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

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

---

## 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:**

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product. Dispose of in accordance with national, state and local regulations.

---

## 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):** Chronic;

**CA Prop. 65:**

# Safety Data Sheet

## Joncryl® ADR-4468

Revision date : 2016/12/08  
Version: 3.1

Page: 10/10  
(30573787/SDS\_GEN\_US/EN)

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

### NFPA Hazard codes:

Health : 2      Fire: 1      Reactivity: 0      Special:

### HMIS III rating

Health: 2<sup>2</sup>      Flammability: 1      Physical hazard: 0

### Assessment of the hazard classes according to UN GHS criteria (most recent version):

Carc.	1B	Carcinogenicity
Repr.	1B (fertility)	Reproductive toxicity
Skin Sens.	1	Skin sensitization

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations  
SDS Prepared on: 2016/12/08

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

Joncryl® ADR-4468 is a registered trademark of BASF Corporation or BASF SE  
IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.  
END OF DATA SHEET