

Safety Data Sheet

Joncryl® 901

Revision date : 2021/04/06

Version: 5.0

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(30282587/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Joncryl® 901

Recommended use of the chemical and restriction on use

Recommended use*: for industrial use only

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

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

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

Other means of identification

Chemical family: acrylic copolymer

2. Hazards Identification

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

Classification of the product

Flam. Liq.
STOT SE3
3 (Vapours may cause
drowsiness and
dizziness.)Flammable liquids
Specific target organ toxicity — single exposure

Label elements

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Pictogram:



Signal Word:
Warning

Hazard Statement:

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P271 Use only outdoors or in a well-ventilated area.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves and eye protection or face protection.
P261 Avoid breathing mist or vapour or spray.
P243 Take action to prevent static discharges.
P241 Use explosion-proof electrical, ventilating and lighting equipment.
P240 Ground and bond container and receiving equipment.
P242 Use only non-sparking tools.

Precautionary Statements (Response):

P312 Call a POISON CENTER or physician if you feel unwell.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353 IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P370 + P378 In case of fire: Use foam or dry powder for extinction.

Precautionary Statements (Storage):

P233 Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local regulations.

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

2-heptanone

CAS Number: 110-43-0
Content (W/W): >= 20.0 - < 25.0%
Synonym: 2-Heptanone; Methyl n-amyl ketone

Methyl methacrylate

CAS Number: 80-62-6
Content (W/W): >= 0.2 - < 0.3%

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Synonym: Methyl methacrylate

4. First-Aid Measures

Description of first aid measures

General advice:

Immediately remove contaminated clothing.

If inhaled:

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

If on skin:

Wash affected areas thoroughly with soap and water. 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 200 - 300 ml 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: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Information on: 2-heptanone

Symptoms: Overexposure may cause: , headache, dizziness, nausea, unconsciousness

Information on: Methyl methacrylate

Symptoms: Overexposure may cause: , asthma, tiredness, loss of memory, pain in the extremities, sleep disturbances, headache

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

Special hazards arising from the substance or mixture

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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. Breathing protection required.

Can release flammable vapours. Wind direction should be noted. Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Precautions for safe handling

Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

Sources of ignition should be kept well clear. Take precautionary measures against static discharges. If delivered in plastic packing, highest permissible emptying temperature is 5 Kelvin below the flash point.

Conditions for safe storage, including any incompatibilities

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

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

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Methyl methacrylate	ACGIH, US: TWA value 50 ppm ; ACGIH, US: STEL value 100 ppm ; NIOSH, US: REL value 100 ppm 410 mg/m3 ; OSHA Z1: PEL 100 ppm 410 mg/m3 ; OSHA Z1A: TWA value 100 ppm 410 mg/m3 ;
2-heptanone	ACGIH, US: TWA value 50 ppm ; NIOSH, US: REL value 100 ppm 465 mg/m3 ; OSHA Z1: PEL 100 ppm 465 mg/m3 ; OSHA Z1A: TWA value 100 ppm 465 mg/m3 ;

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.

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:

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	acrylic-like	
Odour threshold:	No data available.	
Colour:	yellowish	
pH value:	of low solubility	
Freezing point:	-35 °C	
Melting point:	Information applies to the solvent.	
Boiling point:	No data available.	
	151 °C	
	Information applies to the solvent.	
Flash point:	42.0 °C	(ASTM D93)
Flammability:	Flammable.	
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	393 °C	
	Information applies to the solvent.	
Vapour pressure:	3.86 mmHg (25 °C)	
	Information applies to the solvent.	
Density:	1.07 g/cm3 (20 °C)	

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Relative density:	1.07 (20 °C)
Vapour density:	not determined
Partitioning coefficient n-octanol/water (log Pow):	Study scientifically not justified.
Self-ignition temperature:	not self-igniting
Thermal decomposition:	Stable up to boiling point.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
Solubility in water:	slightly soluble
Molar mass:	No data available.
Evaporation rate:	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 chemically stable.

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.

Incompatible materials

oxidizing agents

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

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

Internal

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Assessment of acute toxicity: Not expected to be acutely toxic.

Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

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

Inhalation

Type of value: LC50

Species: rat

Exposure time: 4 h

not determined

Dermal

Type of value: LD50

Species: rat

not determined

Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

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

Irritation / corrosion

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

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

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

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Experimental/calculated data: not determined

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.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

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

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)

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

Aquatic plants

No data available.

Chronic toxicity to aquatic invertebrates

No data available regarding toxicity to daphnids.

Persistence and degradability

Assessment biodegradation and elimination (H2O)

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.

Mobility in soil

Assessment transport between environmental compartments

No data available.

Additional information

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Add. remarks environm. fate & pathway:
Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

13. Disposal considerations

Waste disposal of substance:

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

Container disposal:

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

WARNING: Empty containers may still contain hazardous residue.

RCRA: D001

14. Transport Information

Land transport

USDOT

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION

Sea transport

IMDG

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Marine pollutant: NO
Proper shipping name: RESIN SOLUTION

Air transport

IATA/ICAO

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

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EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

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

WARNING: This product can expose you to chemicals including BENZENE, 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.

NFPA Hazard codes:

Health: 1 Fire: 2 Reactivity: 0 Special:

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2021/04/06

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