

Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12

Version: 4.0

Page: 1/11

(30282601/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Joncryl® 935

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

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

Other means of identification

Synonyms: modified acrylic copolymer

2. Hazards Identification

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

Classification of the product

Flam. Liq.	3	Flammable liquids
Acute Tox.	4 (oral)	Acute toxicity
Acute Tox.	4 (Inhalation - mist)	Acute toxicity

Label elements

Pictogram:

Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12
Version: 4.0

Page: 2/11
(30282601/SDS_GEN_US/EN)



Signal Word:
Warning

Hazard Statement:

H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H302 Harmful if swallowed.

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/face protection.
P260 Do not breathe mist or vapour.
P243 Take action to prevent static discharges.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P270 Do not eat, drink or smoke when using this product.
P264 Wash with plenty of water and soap thoroughly after handling.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P242 Use only non-sparking tools.

Precautionary Statements (Response):

P312 Call a POISON CENTER or doctor/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): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301 + P330 IF SWALLOWED: rinse mouth.
P370 + P378 In case of fire: Use foam or dry powder for extinction.

Precautionary Statements (Storage):

P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

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

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>
110-43-0	>= 25.0 - < 50.0%	2-heptanone
149-57-5	>= 0.3 - < 1.0%	2-ethylhexanoic acid

The product contains:

Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12

Version: 4.0

Page: 3/11

(30282601/SDS_GEN_US/EN)

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
	>= 60.0 - <= 80.0%	Modified acrylic copolymer

4. First-Aid Measures

Description of first aid measures

General advice:

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 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:

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: 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.

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

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.

Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12
Version: 4.0

Page: 4/11
(30282601/SDS_GEN_US/EN)

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

2-heptanone	OSHA PEL	PEL 100 ppm 465 mg/m ³ ; TWA value 100 ppm 465 mg/m ³ ;
	ACGIH TLV	TWA value 50 ppm ;
2-ethylhexanoic acid	ACGIH TLV	TWA value 5 mg/m ³ Inhalable fraction and vapor ;

Personal protective equipment

Respiratory protection:

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

Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12

Version: 4.0

Page: 5/11

(30282601/SDS_GEN_US/EN)

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:	viscous	
Odour:	acetous	
Odour threshold:	Not determined due to potential health hazard by inhalation.	
Colour:	yellowish	
pH value:	of low solubility	
Melting point:	-35 °C	
	The product has not been tested., Information applies to the solvent.	
Boiling point:	151 °C	
	Information applies to the solvent.	
Flash point:	approx. 41.5 °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:	No data available.	
Vapour pressure:	3.86 mmHg (25 °C)	
	Information applies to the solvent.	
Density:	1.03 g/cm ³ (20 °C)	
Relative density:	1.03 (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:	approx. 8,500 mPa.s (25 °C)	
	No applicable information available.	
Viscosity, kinematic:	No applicable information available.	
Solubility in water:	slightly soluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Evaporation rate:	not determined	
Other Information:	No data available.	

Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12

Version: 4.0

Page: 6/11

(30282601/SDS_GEN_US/EN)

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 extreme heat.

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

Assessment of acute toxicity: Harmful if swallowed.

Oral

Type of value: LD50

Species: rat

Value: 1,500 - 2,000 mg/kg

Information on: 2-heptanone

Type of value: LD50

Species: rat

Value: 1,670 mg/kg

Inhalation

Type of value: LC50

Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12

Version: 4.0

Page: 7/11

(30282601/SDS_GEN_US/EN)

Species: rat

Value: > 10 - 20 mg/l (BASF-Test)

Exposure time: 4 h

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

Information on: 2-heptanone

Species: rat

Value: 19 mg/l 4.000 ppm

Exposure time: 4 h

The vapour was tested.

Dermal

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (OECD Guideline 402)

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

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.

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

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

Eye

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.

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

Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12

Version: 4.0

Page: 8/11

(30282601/SDS_GEN_US/EN)

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: No data was available concerning mutagenic activity.

Carcinogenicity

Assessment of carcinogenicity: No data available.

Reproductive toxicity

Assessment of reproduction toxicity: No data available.

Teratogenicity

Assessment of teratogenicity: No data available.

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

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

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.

Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12

Version: 4.0

Page: 9/11

(30282601/SDS_GEN_US/EN)

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.

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.

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.

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

Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12

Version: 4.0

Page: 10/11

(30282601/SDS_GEN_US/EN)

Proper shipping name: RESIN SOLUTION

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

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
NJ	110-43-0	2-heptanone
PA	110-43-0	2-heptanone

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

WARNING: This product can expose you to chemicals including STYRENE, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

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

NFPA Hazard codes:

Health: 1 Fire: 2 Reactivity: 0 Special:

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2018/01/12

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Safety Data Sheet

Joncryl® 935

Revision date : 2018/01/12

Page: 11/11

Version: 4.0

(30282601/SDS_GEN_US/EN)

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