

Safety data sheet

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BASF Safety data sheet
Date / Revised: 07.01.2010
Product: **Joncryl® 678**

Version: 1.0

(30183680/SDS_GEN_AU/EN)

Date of print 22.09.2010

1. Substance/preparation and company identification

Joncryl® 678

Use: industrial chemicals

Company:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place Southbank
Victoria 3006, AUSTRALIA
Telephone: +61 3 8855-6600
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

No particular hazards known.

3. Composition/information on ingredients

Chemical nature

Modified styrene acrylic polymers

Hazardous ingredients

acrylic acid

Content (W/W): $\geq 0.1\%$ - $< 1\%$
CAS Number: 79-10-7
Hazard symbol(s): C, N
R-phrase(s): 10, 20/21/22, 35, 50
R-phrase(s): 10
Hazard symbol(s): Xn
R-phrase(s): 20/21/22
Hazard symbol(s): C
R-phrase(s): 35
Hazard symbol(s): N
R-phrase(s): 50

alpha-Methylstyrene

Content (W/W): $\geq 0.1\%$ - $< 1\%$
CAS Number: 98-83-9
Hazard symbol(s): Xi, N
R-phrase(s): 10, 36/37, 51/53
Hazard symbol(s): Xi
R-phrase(s): 36/37
R-phrase(s): 10
Hazard symbol(s): Xi
R-phrase(s): 36/37
Hazard symbol(s): N
R-phrase(s): 51, 53

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. 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.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Rinse mouth and then drink plenty of water.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

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

Specific hazards:
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
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:
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 for cleaning up or taking up:
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Contain with dust binding material and dispose of.
Avoid raising dust.

Additional information: Dust can form an explosive mixture with air.

7. Handling and Storage

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).

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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.

Storage

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 and personal protection

Components with workplace control parameters

acrylic acid, 79-10-7;

TWA value 5.9 mg/m³ ; 2 ppm (OEL (AU))

Skin Designation (OEL (AU))

The substance can be absorbed through the skin.

alpha-Methylstyrene, 98-83-9;

TWA value 242 mg/m³ ; 50 ppm (OEL (AU))

STEL value 483 mg/m³ ; 100 ppm (OEL (AU))

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. Physical and Chemical Properties

Form:	solid
Colour:	colourless
Odour:	acrylic-like
pH value:	not soluble
melting range:	140 - 150 °C
Flash point:	not applicable
Flammability:	does not ignite
Ignition temperature:	not applicable
Explosion hazard:	not explosive
Radioactivity:	not radioactive for transport purposes (activity < 70 kBq/kg)
Density:	1.16 g/cm ³ (20 °C)
Bulk density:	400 - 800 kg/m ³
Solubility in water:	slightly soluble

10. Stability and Reactivity

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:

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

11. Toxicological Information

Acute toxicity

LD50 rat (oral): > 5,000 mg/kg

Irritation

Primary skin irritation rabbit: non-irritant (BASF-Test)

Primary irritations of the mucous membrane rabbit: non-irritant (BASF-Test)

Other relevant toxicity information

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

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

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

Toxicity to fish:

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

Microorganisms/Effect on activated sludge:

EC50 > 500 mg/l, *Pseudomonas putida*

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The polymer component of the product is poorly biodegradable.

Additional information

Other ecotoxicological advice:

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

13. Disposal Considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Domestic transport:

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

Poisons Schedule: Not scheduled

Regulations of the European union (Labelling)

Directive 1999/45/EC ('Preparation Directive'):

The product does not require a hazard warning label in accordance with EC Directives.

Other regulations

Registration status:

AICS, AU released / listed

AICS, AU released / listed

16. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

C	Corrosive.
N	Dangerous for the environment.
Xn	Harmful.
Xi	Irritant.
10	Flammable.
20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
35	Causes severe burns.
50	Very toxic to aquatic organisms.
36/37	Irritating to eyes and respiratory system.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
51	Toxic to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.