

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 30.04.2024  
Product: **Dispex® CX 4230**

Version: 4.0

(30535654/SDS\_GEN\_AU/EN)

Date of print: 22.10.2025

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**Dispex® CX 4230**

Use: dispersing agent

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)  
Level 23, 40 City Road, Southbank  
Victoria 3006, AUSTRALIA  
Telephone: +61 3 8855-6600

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

Classification of the substance and mixture:

No need for classification according to GHS criteria for this product.

Label elements and precautionary statement:

The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards which do not result in classification:

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

## 3. Composition/information on ingredients

Chemical nature

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Substance nature: mixture

Ammonium salt of modified styrene acrylic polymers, in water

### **Hazardous ingredients**

propan-2-ol

Content (W/W):  $\geq 1\%$  -  $< 3\%$   
 CAS Number: 67-63-0

Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 5 (oral)  
 Eye Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (drowsiness and dizziness)

methacrylic acid

Content (W/W):  $\geq 0\%$  -  $< 0.8\%$   
 CAS Number: 79-41-4

Flam. Liq.: Cat. 4  
 Acute Tox.: Cat. 4 (oral)  
 Acute Tox.: Cat. 4 (Inhalation - mist)  
 Acute Tox.: Cat. 3 (dermal)  
 Skin Corr.: Cat. 1A  
 Eye Dam.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 3

ammonia, aqueous solution

Content (W/W):  $\geq 0.3\%$  -  $< 1\%$   
 CAS Number: 1336-21-6

Skin Corr.: Cat. 1B  
 Eye Dam.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 2

## **4. 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.

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 200-300 ml of water.

Note to physician:

Symptoms: (Further) symptoms and / or effects are not known so far

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

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## 5. Fire-Fighting Measures

Suitable extinguishing media:  
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:  
harmful vapours

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.

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## 6. Accidental Release Measures

### Personal precautions:

Use personal protective clothing. Breathing protection required.

### Environmental precautions:

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

### Methods for cleaning up or taking up:

For large amounts: Pump off product.

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

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## 7. Handling and Storage

### Handling

No special measures necessary provided product is used correctly.

### Protection against fire and explosion:

Take precautionary measures against static discharges.

### Storage

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

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

propan-2-ol, 67-63-0;

STEL value 400 ppm (ACGIHTLV)  
TWA value 200 ppm (ACGIHTLV)  
TWA value 983 mg/m<sup>3</sup> ; 400 ppm (AU NOEL)  
STEL value 1,230 mg/m<sup>3</sup> ; 500 ppm (AU NOEL)  
STEL value 1,230 mg/m<sup>3</sup> ; 500 ppm (OEL (AU))  
TWA value 983 mg/m<sup>3</sup> ; 400 ppm (OEL (AU))

methacrylic acid, 79-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 70 mg/m<sup>3</sup> ; 20 ppm (AU NOEL)  
TWA value 70 mg/m<sup>3</sup> ; 20 ppm (OEL (AU))

ammonia, aqueous solution, 1336-21-6;

STEL value 35 ppm (ACGIHTLV)  
TWA value 25 ppm (ACGIHTLV)  
TWA value 17 mg/m<sup>3</sup> ; 25 ppm (AU NOEL)  
STEL value 24 mg/m<sup>3</sup> ; 35 ppm (AU NOEL)

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

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 ISO 374-1):  
nitrile rubber (NBR) - 0.4 mm coating thickness

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.

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## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	ammonia-like	
Odour threshold:	Not determined due to potential health hazard by inhalation.	
pH value:	7.5 - 8.0 (as such)	
Freezing point:	approx. 0 - 5 °C Information applies to the solvent.	
Boiling point:	approx. 100 °C Information applies to the solvent.	
Flash point:	> 93.4 °C	(ASTM D93)
Evaporation rate:	not determined	
Flammability (solid/gas):	not 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.	
Ignition temperature:	Based on the water content the product does not ignite.	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self ignition:	not self-igniting	Test type: Spontaneous self-ignition at room-temperature.
Self heating ability:	Study scientifically not justified.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	not determined	
Density:	1.0904 - 1.1144 g/cm <sup>3</sup> (20 °C)	
Relative density:	1.0904 - 1.1144 (20 °C)	
Relative vapour density (air):	not determined	

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Solubility in water:	dispersible (20 °C)	
Hygroscopy:	Non-hygroscopic	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, dynamic:	50.00 - 250.00 mPa*s (23 °C)	
Viscosity, kinematic:	approx. 45 - 230 mm <sup>2</sup> /s (23 °C)	(calculated (from dynamic viscosity))

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## 10. Stability and Reactivity

Conditions to avoid:  
See SDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
strong oxidizing agents

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.

Chemical stability:  
The product is chemically stable.

Reactivity:  
No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Acute oral toxicity

Experimental/calculated data:  
LD50rat (oral): > 5,000 mg/kg  
The product has not been tested. The statement has been derived from the properties of the individual components.

#### Acute inhalation toxicity

LC50 rat (by inhalation): 4 h  
not determined

#### Acute dermal toxicity

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

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

### **Symptoms**

(Further) symptoms and / or effects are not known so far

### **Irritation**

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

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

Serious eye damage/irritation rabbit: non-irritant

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

### **Respiratory/Skin sensitization**

Experimental/calculated data:

other other: Non-sensitizing.

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

### **Germ cell mutagenicity**

Assessment of mutagenicity:

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

### **Carcinogenicity**

Assessment of carcinogenicity:

No data available.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on the ingredients, there is no suspicion of a teratogenic effect.

### **Specific target organ toxicity (single exposure)**

Remarks: No data available.

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

The information available on the product provides no indication of toxicity on target organs after repeated exposure.

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Toxicity to fish:

LC50 (96 h) > 100 mg/l, Fish

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

Aquatic invertebrates:

LC50 (48 h), daphnia (other)

not determined

Aquatic plants:

EC50 (72 h), algae (other)

not determined

Microorganisms/Effect on activated sludge:

EC50 (0.5 h), bacteria (other)

not determined

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No data available.

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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

Not readily biodegradable (by OECD criteria).

Elimination information:

20 - 30 % (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic)

### **Bioaccumulation potential**

Assessment bioaccumulation potential:

The product has not been tested.



### Additional information

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

Must be disposed of 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
UN number or ID number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### Sea transport

#### IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
	Marine pollutant: no
Special precautions for user	None known

### Air transport

#### IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
Proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

### **Registration status:**

AICIS, AU

Listed in AIC or exempted., This product contains at least one polymer which fulfills the polymer of low concern criteria under AICIS., Please contact your BASF representative.

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## 16. Other Information

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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. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.