

Safety data sheet

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BASF Safety data sheet
Date / Revised: 09.12.2022
Product: **Dispex® AA 4030**

Version: 2.0

(30041986/SDS_GEN_NZ/EN)

Date of print: 25.10.2025

1. Substance/preparation and manufacturer/supplier identification

Product name:
Dispex® AA 4030

Use: Raw material, for industrial use only

Manufacturer/supplier:
BASF New Zealand Ltd.
5E City Works Depot
77 Cook Street
Auckland Central, Auckland 1010
NEW ZEALAND
Telephone: +64 9 255-4300
Telefax number: +64 9 255-4307

Emergency information:
National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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. Product does not contain a substance above legal limits included in the list established in accordance with Article 59(1) of Regulation (EC) No 1907/2006 for having endocrine disrupting properties or is

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identified to have endocrine disrupting properties in accordance with the criteria set out in
Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

Polymer based on:
ammonium acrylate

dissolved in:
water

Hazardous ingredients

Ammonia solution 25 wt% in water
Content (W/W): < 0.1 %
CAS Number: 1336-21-6

Skin Corr./Irrit.: Cat. 1B
Eye Dam./Irrit.: 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:
Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:
Wash thoroughly with soap and water

On contact with eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open,
consult an eye specialist.

On ingestion:
Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Note to physician:
Symptoms: (Further) symptoms and / or effects are not known so far
Hazards: No hazards anticipated.
Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, dry powder, foam, carbon dioxide

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Specific hazards:
No particular hazards known.

Further information:
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

6. Accidental Release Measures

Personal precautions:
Use personal protective clothing. Avoid contact with skin and eyes.

Environmental precautions:
Do not release untreated into natural waters.

Methods for cleaning up or taking up:
For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.
For large amounts: Pump off product.

Additional information: High risk of slipping due to leakage/spillage of product.

7. Handling and Storage

Handling

Handle in accordance with good industrial hygiene and safety practice.

Storage

Suitable materials for containers: Stainless steel 1.4401, Stainless steel 1.4301 (V2), High density polyethylene (HDPE), glass, Low density polyethylene (LDPE)
Further information on storage conditions: Store protected against freezing.

Protect from temperatures below: 5 °C
Protect from temperatures above: 60 °C

8. Exposure controls and personal protection

Components with occupational exposure limits

| ammonia solution 25 wt% in water, 1336-21-6;
 STEL value 35 ppm (ACGIHTLV)
 TWA value 25 ppm (ACGIHTLV)
 STEL value 24 mg/m³ ; 35 ppm (OEL (NZ))
 TWA value 17 mg/m³ ; 25 ppm (OEL (NZ))

Personal protective equipment

Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. 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.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures:

Avoid contact with eyes. Avoid prolonged and/or repeated contact with the skin. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	liquid
Colour:	slightly yellow
Odour:	ammonia-like
Odour threshold:	No data available.

pH value:	approx. 7.5 - 9.5	(DIN ISO 976)
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Melting point:	approx. -4.00 °C
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Boiling point:	not determined
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Information on: water	
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Boiling point:	100 °C
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Flash point:

A flash point determination is unnecessary due to the high water content.

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.

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Ignition temperature:	not applicable	
Thermal decomposition:	No decomposition if used correctly.	
Self ignition:	not self-igniting	
Self heating ability:	Study scientifically not justified.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	approx. 23 mbar (20 °C)	
Density:	approx. 1.1 g/cm ³ (20 °C)	(ISO 8962)
Relative density:	No data available.	
Relative vapour density (air):	No data available.	
Solubility in water:	readily soluble	
Miscibility with water:	completely (e.g. >=90%)	
Partitioning coefficient n-octanol/water (log Pow):	No data available.	
Viscosity, dynamic:	approx. 35 mPa.s (23 °C)	
Viscosity, kinematic:	approx. 32 mm ² /s (23 °C)	(calculated (from dynamic viscosity))
Flow time:	approx. 15 - 30 s	(DIN 53211; 4 mm)
Solids content:	approx. 29.0 - 31.0 % (140 °C)	(DIN EN ISO 3251)
Molar mass:	54,925 g/mol	

10. Stability and Reactivity

Conditions to avoid:
Avoid extreme temperatures.

Thermal decomposition: No decomposition if used correctly.

Substances to avoid:
No substances known that should be avoided.

Hazardous reactions:
No hazardous reactions when stored and handled according to instructions.

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Hazardous decomposition products:

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

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

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):
not determined

Assessment of acute toxicity

Virtually nontoxic after a single ingestion. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Symptoms

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

Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: (OECD Guideline 404)

Skin corrosion/irritation: (Epiderm Corrosivity Test)

Serious eye damage/irritation rabbit: (OECD Guideline 405)

Serious eye damage/irritation: (HET-CAM test in vitro)

Respiratory/Skin sensitization

Assessment of sensitization:

The chemical structure does not suggest a sensitizing effect.

Germ cell mutagenicity

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:

The chemical structure does not suggest a specific alert for such an effect.

Developmental toxicity

Assessment of teratogenicity:

The data available for an assessment of the effect of the substance on developmental toxicity are not sufficient for a proper evaluation.

Specific target organ toxicity (single exposure)

Remarks: No data available.

Aspiration hazard

Study scientifically not justified.

Other relevant toxicity information

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

Toxicity to fish:

LC50 (96 h), Fish (other)
not determined

Aquatic invertebrates:

LC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

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.

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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

Elimination information:

< 20 % DOC reduction (OECD 302B; ISO 9888; 88/302/EEC,part C)

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.

Other ecotoxicological advice:

Do not release untreated into natural waters. The local regulations on waste-water treatment must be followed. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

13. Disposal Considerations

Must be sent to a suitable incineration plant, observing local regulations.

A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to dependence on the usage.

Observe national and local legal requirements.

14. Transport Information

Domestic transport:

UN number or ID number	Not classified as a dangerous good under transport regulations
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
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

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.

A certified handler is not required for the handling of this substance.

Tracking requirements do not apply to this substance.

16. Other Information

Any other intended applications should be discussed with the manufacturer.

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