

# Safety data sheet

Page: 1/14

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 15.12.2022

Version: 7.0

Date previous version: 01.08.2016

Previous version: 6.1

Date / First version: 31.10.2002

Product: **Dispex® AA 4030**

(ID no. 30041986/SDS\_GEN\_GB/EN)

Date of print 25.10.2025

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Dispex® AA 4030**

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Raw material, for industrial use only

### 1.3. Details of the supplier of the safety data sheet

Company:

BASF SE  
67056 Ludwigshafen  
GERMANY

Contact address:

BASF plc  
4th and 5th Floors, 2 Stockport Exchange  
Railway Road, Stockport, SK1 3GG  
UNITED KINGDOM

Telephone: +44 161 475 3000

E-mail address: product-safety-uk-and-ireland@basf.com

### 1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

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

## 2.2. Label elements

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

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

## 2.3. Other hazards

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

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

# SECTION 3: Composition/Information on Ingredients

## 3.1. Substances

Not applicable

## 3.2. Mixtures

Chemical nature

Polymer based on: Ammonium acrylate

dissolved in: Water

Hazardous ingredients (GHS)

Ammonia solution 25 wt% in water

Content (W/W): < 0.1 %

CAS Number: 1336-21-6

EC-Number: 215-647-6

REACH registration number: 01-2119488876-14

INDEX-Number: 007-001-01-2

Skin Corr./Irrit. 1B

Eye Dam./Irrit. 1

STOT SE 3 (irr. to respiratory syst.)

Aquatic Acute 1

Aquatic Chronic 2

H335, H314, H411, H400

Specific concentration limit:

STOT SE 3: >= 5 %

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

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## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

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.

### 4.2. Most important symptoms and effects, both acute and delayed

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

Hazards: No hazards anticipated.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Symptomatic treatment (decontamination, vital functions).

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## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing media

Suitable extinguishing media:

water spray, dry powder, foam, carbon dioxide

### 5.2. Special hazards arising from the substance or mixture

Advice: No particular hazards known.

### 5.3. Advice for fire-fighters

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.

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## SECTION 6: Accidental Release Measures

High risk of slipping due to leakage/spillage of product.

### 6.1. Personal precautions, protective equipment and emergency procedures

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Use personal protective clothing. Avoid contact with skin and eyes.

## 6.2. Environmental precautions

Do not release untreated into natural waters.

## 6.3. Methods and material for containment and cleaning 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.

## 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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# SECTION 7: Handling and Storage

## 7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

## 7.2. Conditions for safe storage, including any incompatibilities

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

## 7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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# SECTION 8: Exposure Controls/Personal Protection

## 8.1. Control parameters

Components with occupational exposure limits

1336-21-6: ammonia solution 25 wt% in water

STEL value 25 mg/m<sup>3</sup> ; 35 ppm (WEL/EH 40 (UK))

Ceiling limit value/factor: 15 min

TWA value 18 mg/m<sup>3</sup> ; 25 ppm (WEL/EH 40 (UK))

STEL value 36 mg/m<sup>3</sup> ; 50 ppm (OEL (EU))

indicative

TWA value 14 mg/m<sup>3</sup> ; 20 ppm (OEL (EU))

indicative

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#### Components with PNEC

1336-21-6: ammonia ....%

freshwater: 0.165 mg/l

marine water: 0.0165 mg/l

intermittent release: 0.28 mg/l

STP: 8.58 mg/l

sediment (freshwater): 0.0165 mg/kg

soil: 32.3 mg/kg

#### Components with DNEL

1336-21-6: ammonia ....%

worker: Short-term exposure - local effects, Inhalation: 28 mg/m<sup>3</sup>

worker: Long-term exposure - local effects, Inhalation: 14 mg/m<sup>3</sup>

## **8.2. Exposure controls**

#### 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.

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## **SECTION 9: Physical and Chemical Properties**

### **9.1. Information on basic physical and chemical properties**

Form: liquid  
Colour: slightly yellow  
Odour: ammonia-like  
Odour threshold:  
pH value: approx. 7.5 - 9.5  
Melting point: approx. -4.00 °C

(DIN ISO 976)

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Boiling point:

not determined

*Information on: Water*

*Boiling point:*

100 °C

Flash point:

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

Evaporation rate:

not determined

Flammability:

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:

not applicable

Vapour pressure:

approx. 23 mbar  
(20 °C)

Density:

approx. 1.1 g/cm<sup>3</sup>  
(20 °C)

(ISO 8962)

Relative density:

No data available.

Relative vapour density (air):

No data available.

Solubility in water:

readily soluble

Partitioning coefficient n-octanol/water (log Kow):

No data available.

Self ignition:

not self-igniting

Thermal decomposition: No decomposition if used correctly.

Viscosity, dynamic:

approx. 35 mPa.s  
(23 °C)

Viscosity, kinematic:

approx. 32 mm<sup>2</sup>/s  
(23 °C)

(calculated (from dynamic viscosity))

Explosion hazard:

not explosive

Fire promoting properties: not fire-propagating

## 9.2. Other information

Self heating ability:

Study scientifically not justified.

Miscibility with water:

completely (e.g. >=90%)

Flow time:

approx. 15 - 30 s

(DIN 53211; 4 mm)

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Date of print 25.10.2025

Solids content:	approx. 29.0 - 31.0 % (140 °C)	(DIN EN ISO 3251)
Molar mass:	54,925 g/mol	

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

### 10.4. Conditions to avoid

Avoid extreme temperatures.

### 10.5. Incompatible materials

Substances to avoid:

No substances known that should be avoided.

### 10.6. Hazardous decomposition products

Hazardous decomposition products:

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

## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

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.

Experimental/calculated data:

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

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

LC50 rat (by inhalation): 4 h  
not determined

LD50 rat (dermal):  
not determined

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(ID no. 30041986/SDS\_GEN\_GB/EN)

Date of print 25.10.2025

### Irritation

Experimental/calculated data:

Skin corrosion/irritation

rabbit: non-irritant (OECD Guideline 404)

Skin corrosion/irritation

: Non corrosive. (Epiderm Corrosivity Test)

Serious eye damage/irritation

rabbit: non-irritant (OECD Guideline 405)

Serious eye damage/irritation

: The substance does not have a risk of serious damage to eyes. (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.

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

No data available.



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(ID no. 30041986/SDS\_GEN\_GB/EN)

Date of print 25.10.2025

#### 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.

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## **SECTION 12: Ecological Information**

### **12.1. Toxicity**

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.

Chronic toxicity to aquatic invertebrates:

No data available.

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

### **12.2. Persistence and degradability**

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

The product contains biodegradable components. The polymer component of the product is poorly biodegradable.

Elimination information:

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

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Date of print 25.10.2025

### 12.3. Bioaccumulative potential

Assessment bioaccumulation potential:  
The product has not been tested.

### 12.4. Mobility in soil

Assessment transport between environmental compartments:  
Volatility: No data available.

### 12.5. Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

### 12.6. Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

### 12.7. 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.

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## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

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.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

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## SECTION 14: Transport Information

### Land transport

ADR

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

RID

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

### Inland waterway transport

ADN

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

### Transport in inland waterway vessel

Not evaluated

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

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Date of print 25.10.2025

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
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

#### **14.1. UN number or ID number**

See corresponding entries for "UN number or ID number" for the respective regulations in the tables above.

#### **14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

#### **14.3. Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

#### **14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

#### **14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

#### **14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

#### **14.7. Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.

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Date of print 25.10.2025

## SECTION 15: Regulatory Information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):  
Listed in above regulation: no

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

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

### 15.2. Chemical Safety Assessment

Chemical Safety Assessment not required

## SECTION 16: Other Information

Any other intended applications should be discussed with the manufacturer.

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
H335	May cause respiratory irritation.
H314	Causes severe skin burns and eye damage.
H411	Toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

### Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution

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from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

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.

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