

## Safety Data Sheet

according to UK REACH Regulation

Revision date: 18.08.2026

**2-NP-AOZ; 100 µg/ml in acetonitrile**

Product code: NF013CRM-AMP-1

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

#### 1.1. Product identifier

2-NP-AOZ; 100 µg/ml in acetonitrile

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

##### Use of the substance/mixture

Reference standard for analysis.

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

|               |                                           |                        |
|---------------|-------------------------------------------|------------------------|
| Company name: | WITEGA Laboratorien Berlin-Adlershof GmbH |                        |
| Street:       | James-Franck-Strasse 4                    |                        |
| Place:        | D-12489 Berlin                            |                        |
| Telephone:    | +493063922001                             | Telefax: +493063922007 |
| E-mail:       | witega@witega.de                          |                        |
| Internet:     | www.witega.de                             |                        |

#### 1.4. Emergency telephone number:

+493063922001

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GB CLP Regulation

Hazard Statements:  
Highly flammable liquid and vapour.  
Harmful if swallowed.  
Harmful in contact with skin.  
Causes serious eye irritation.  
Harmful if inhaled.

#### 2.2. Label elements

##### GB CLP Regulation

Signal word: Danger

Pictograms:



##### Hazard statements

|      |                                     |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed.               |
| H312 | Harmful in contact with skin.       |
| H319 | Causes serious eye irritation.      |
| H332 | Harmful if inhaled.                 |

##### Precautionary statements

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.                                                                                |
| P262           | Do not get in eyes, on skin, or on clothing.                                                                                     |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P381           | In case of leakage, eliminate all ignition sources.                                                                              |

#### 2.3. Other hazards

No data available

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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Relevant ingredients

| CAS No  | Chemical name                                                                                  |              |          | Quantity     |
|---------|------------------------------------------------------------------------------------------------|--------------|----------|--------------|
|         | EC No                                                                                          | Index No     | REACH No |              |
|         | Classification (GB CLP Regulation)                                                             |              |          |              |
| 75-05-8 | acetonitrile; cyanomethane                                                                     |              |          | 95 - < 100 % |
|         | 200-835-2                                                                                      | 608-001-00-3 |          |              |
|         | Flam. Liq. 2, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2; H225 H332 H312 H302 H319 |              |          |              |

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

| CAS No  | EC No     | Chemical name                                                                                                                     | Quantity     |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------|--------------|
|         |           | Specific Conc. Limits, M-factors and ATE                                                                                          |              |
| 75-05-8 | 200-835-2 | acetonitrile; cyanomethane                                                                                                        | 95 - < 100 % |
|         |           | inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 988 mg/kg; oral: ATE = 500 mg/kg |              |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

#### After contact with skin

Remove contaminated, saturated clothing immediately. Subsequently wash off with: Water and soap

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Get immediate medical advice/attention.  
Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps.

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

No data available

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

No data available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray jet. Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

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

In case of fire may be liberated: Pyrolysis products, toxic. In case of fire and/or explosion do not breathe fumes.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

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## SECTION 6: Accidental release measures

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

#### General advice

Use personal protection equipment. Do not breathe gas/fumes/vapour/spray.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

#### Other information

Take up dust-free and set down dust-free.

### 6.4. Reference to other sections

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

#### Advice on general occupational hygiene

Use personal protection equipment.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Avoid: UV-radiation/sunlight

#### Further information on storage conditions

storage temperature: -20 °C

### 7.3. Specific end use(s)

none

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

| CAS No  | Substance    | ppm | mg/m <sup>3</sup> | fibres/ml | Category      | Origin |
|---------|--------------|-----|-------------------|-----------|---------------|--------|
| 75-05-8 | Acetonitrile | 40  | 68                |           | TWA (8 h)     | WEL    |
|         |              | 60  | 102               |           | STEL (15 min) | WEL    |

### 8.2. Exposure controls

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye glasses with side protection

##### Hand protection

Wear suitable gloves. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

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**Skin protection**

lab coat

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                                                           |              |                   |
|-----------------------------------------------------------|--------------|-------------------|
| Physical state:                                           | Liquid       |                   |
| Colour:                                                   | light yellow |                   |
| Boiling point or initial boiling point and boiling range: |              | No data available |
| Flammability:                                             |              | No data available |
| Lower explosion limits:                                   |              | No data available |
| Upper explosion limits:                                   |              | No data available |
| Flash point:                                              |              | No data available |
| Auto-ignition temperature:                                |              | No data available |
| Decomposition temperature:                                |              | No data available |
| pH-Value:                                                 |              | No data available |
| Water solubility:                                         |              | No data available |
| Solubility in other solvents                              |              |                   |
| No data available                                         |              |                   |
| Partition coefficient n-octanol/water:                    |              | No data available |
| Vapour pressure:                                          |              | No data available |
| Density:                                                  |              | No data available |
| Relative vapour density:                                  |              | No data available |

**9.2. Other information****Information with regard to physical hazard classes**

|                           |                   |
|---------------------------|-------------------|
| Self-ignition temperature |                   |
| Solid:                    | No data available |
| Gas:                      | No data available |

**Other safety characteristics**

|                   |                   |
|-------------------|-------------------|
| Evaporation rate: | No data available |
|-------------------|-------------------|

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reacts with : Oxidising agent, Alkali (lye), Etchant and acids

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

Do not expose to temperatures exceeding 50 °C/122 °F.

**10.5. Incompatible materials**

Oxidising agent, Alkali (lye), Etchant and acids

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Pyrolysis products, toxic.

**SECTION 11: Toxicological information**

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#### 11.1. Information on hazard classes as defined in GB CLP Regulation

##### Acute toxicity

Harmful if swallowed.  
Harmful in contact with skin.  
Harmful if inhaled.

| CAS No  | Chemical name              |                |         |        |        |
|---------|----------------------------|----------------|---------|--------|--------|
|         | Exposure route             | Dose           | Species | Source | Method |
| 75-05-8 | acetonitrile; cyanomethane |                |         |        |        |
|         | oral                       | ATE 500 mg/kg  |         |        |        |
|         | dermal                     | LD50 988 mg/kg | Rabbit  | IUCLID |        |
|         | inhalation vapour          | ATE 11 mg/l    |         |        |        |
|         | inhalation dust/mist       | ATE 1,5 mg/l   |         |        |        |

##### Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation.  
Skin corrosion/irritation: Based on available data, the classification criteria are not met.

##### Sensitising effects

Based on available data, the classification criteria are not met.

##### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.  
Carcinogenicity: Based on available data, the classification criteria are not met.  
Reproductive toxicity: Based on available data, the classification criteria are not met.

##### STOT-single exposure

Based on available data, the classification criteria are not met.

##### STOT-repeated exposure

Based on available data, the classification criteria are not met.

##### Aspiration hazard

Based on available data, the classification criteria are not met.

##### Specific effects in experiment on an animal

No data available

## SECTION 12: Ecological information

#### 12.1. Toxicity

Based on available data, the classification criteria are not met.  
No data available

| CAS No  | Chemical name              |                |           |                     |        |        |
|---------|----------------------------|----------------|-----------|---------------------|--------|--------|
|         | Aquatic toxicity           | Dose           | [h]   [d] | Species             | Source | Method |
| 75-05-8 | acetonitrile; cyanomethane |                |           |                     |        |        |
|         | Acute fish toxicity        | LC50 1640 mg/l | 96 h      | Pimephales promelas | IUCLID |        |

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

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#### Partition coefficient n-octanol/water

| CAS No  | Chemical name              | Log Pow |
|---------|----------------------------|---------|
| 75-05-8 | acetonitrile; cyanomethane | -0,34   |

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No data available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Dispose of waste according to applicable legislation.

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

##### Contaminated packaging

This material and its container must be disposed of as hazardous waste.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### 14.1. UN number or ID number:

UN 1648

##### 14.2. UN proper shipping name:

ACETONITRILE

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

3

##### 14.4. Packing group:

II

Hazard label:

3



Classification code:

F1

Special Provisions:

274 601 640C

Limited quantity:

1 L

Excepted quantity:

E2

Transport category:

2

Hazard No:

33

Tunnel restriction code:

D/E

#### Inland waterways transport (ADN)

##### 14.1. UN number or ID number:

UN 1648

##### 14.2. UN proper shipping name:

ACETONITRILE

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

3

##### 14.4. Packing group:

II

Hazard label:

3



Classification code:

F1

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Special Provisions: 274 601 640C  
Limited quantity: 1 L  
Excepted quantity: E2

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1648  
**14.2. UN proper shipping name:** ACETONITRILE  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Special Provisions: -  
Limited quantity: 1 L  
Excepted quantity: E2  
EmS: F-E, S-D

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1648  
**14.2. UN proper shipping name:** ACETONITRILE  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Special Provisions: A3  
Limited quantity Passenger: 1 L  
Passenger LQ: Y341  
Excepted quantity: E2  
IATA-packing instructions - Passenger: 353  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 364  
IATA-max. quantity - Cargo: 60 L

#### 14.6. Special precautions for user

No transport as bulk according to IBC Code.

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

No transport as bulk according to IBC Code.

#### Other applicable information

Hazchem code: •2YE

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):  
Entry 40, Entry 75

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

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Water hazard class (D):

2 - obviously hazardous to water

#### **15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

### **SECTION 16: Other information**

#### **Abbreviations and acronyms**

Flam. Liq: Flammable liquids

Acute Tox: Acute toxicity

Eye Irrit: Eye irritation

#### **Relevant H and EUH statements (number and full text)**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

#### **Further Information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The substances are only for R&D. Do not use as a drug, in household or other applications.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*