

## SAFETY DATA SHEET

# Aka-Cure, Quick

### SECTION 1: Identification

#### 1.1. Product identifier

##### Trade name

Aka-Cure, Quick

##### Product no.

25101223 (8590, 8591)

##### Other means of identification

CAS No.: 1761-71-3

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

##### Relevant identified uses of the substance or mixture

Quick curing agent for liquid epoxy  
Restricted to professional users.

##### Uses advised against

None known.

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

##### Company and address

**Akasel A/S**  
Svogerslev Hovedgade 48  
4000 Roskilde  
Denmark  
+45 57 84 05 01  
www.akasel.com

##### E-mail

safety@akasel.com

##### SDS date

9/4/2025

##### SDS Version

3.0

##### Date of previous version

11/12/2023 (2.0)

#### 1.4. Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® ([triage.webpoisoncontrol.org](https://www.webpoisoncontrol.org)) to get specific guidance for your case  
See also section 4 "First aid measures".

### SECTION 2: Hazard(s) identification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

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

Acute Tox. 4; H302, Harmful if swallowed.  
Skin Corr. 1A; H314, Causes severe skin burns and eye damage.  
Skin Sens. 1B; H317, May cause an allergic skin reaction.  
Skin Sens. 1; H317, May cause an allergic skin reaction.  
Eye Dam. 1; H318, Causes serious eye damage.

## 2.2. Label elements

### ▼ Hazard pictogram(s)



### Signal word

Danger

### ▼ Hazard statement(s)

Harmful if swallowed. (H302)  
Causes severe skin burns and eye damage. (H314)  
May cause an allergic skin reaction. (H317)  
May cause an allergic skin reaction. (H317)

### Precautionary statement(s)

#### ▼ General

Not applicable.

#### ▼ Prevention

Do not breathe vapour/mist. (P260)  
Contaminated work clothing should not be allowed out of the workplace. (P272)  
Wear eye protection/protective gloves/protective clothing. (P280)

#### ▼ Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. (P301+P330+P331)  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353)  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)  
Immediately call a POISON CENTER/doctor. (P310)  
If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)  
Take off contaminated clothing and wash it before reuse. (P362+P364)

#### ▼ Storage

Not applicable.

#### ▼ Disposal

Dispose of contents/container in accordance with local regulation. (P501)

## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

| Product/substance              | Identifiers        | % w/w   | Classification                                                                       | Note |
|--------------------------------|--------------------|---------|--------------------------------------------------------------------------------------|------|
| 4,4-methylenedicyclohexanamine | CAS No.: 1761-71-3 | 95-100% | Acute Tox. 4, H302<br>Skin Corr. 1A, H314<br>Skin Sens. 1B, H317<br>Eye Dam. 1, H318 |      |

### 3.2. Mixtures

Not applicable. This product is a substance.

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

-

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

#### General information

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Burns

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:

Get immediate medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides (CO / CO<sub>2</sub>)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Avoid direct contact with spilled substances.  
Contaminated areas may be slippery.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.  
Keep unauthorized persons away from the spill

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.  
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.  
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.  
See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid direct contact with the product.  
Smoking, drinking and consumption of food is not allowed in the work area.  
See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Liquid class

Combustible Liquid / Class IIIB (NFPA 30)

#### Storage conditions

Room temperature 18 to 23°C

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

### 8.2. ▼ Exposure controls

Apply general control to prevent unnecessary exposure

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

#### Appropriate technical measures

Ensure that eyewash stations and safety showers are located within easy reach.  
Apply standard precautions during use of the product. Avoid inhalation of vapours.

#### ▼ Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

#### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

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

##### Generally

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

##### Respiratory Equipment

| Work situation                                                        | Type | Class                     | Colour | Standards |                                                                                     |
|-----------------------------------------------------------------------|------|---------------------------|--------|-----------|-------------------------------------------------------------------------------------|
| In case of insufficient ventilation, a protective mask should be worn | K    | Class 2 (medium capacity) | Green  | EN14387   |  |

##### Skin protection

| Recommended                             | Type/Category | Standards |                                                                                       |
|-----------------------------------------|---------------|-----------|---------------------------------------------------------------------------------------|
| Dedicated work clothing should be worn. | -             | -         |  |

#### ▼ Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards                 |                                                                                       |
|----------|----------------------|--------------------------|---------------------------|---------------------------------------------------------------------------------------|
| Nitrile  | 0,38                 | > 480                    | EN374-2, EN16523-1, EN388 |  |

##### Eye protection

| Work situation                   | Type                                   | Standards |                                                                                       |
|----------------------------------|----------------------------------------|-----------|---------------------------------------------------------------------------------------|
| At risk of splashing in the eyes | Wear safety glasses with side shields. | EN166     |  |

## SECTION 9: Physical and chemical properties

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

#### Physical state

Liquid

#### Color

Transparent

#### Odor

Ammonia odor

#### ▼ Odor threshold (ppm)

No data available.

#### pH

12

Density (g/cm<sup>3</sup>)

0.964 (20 °C)

Kinematic viscosity

29.6 mPa.s (40 °C)

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/freezing point (°F)

-

Melting point/freezing point (°C)

-17,7 - 65,4

Softening point/range (°F)

Does not apply to liquids.

Boiling point (°F)

-

Boiling point (°C)

320

▼ Vapor pressure

No data available.

▼ Relative vapor density

No data available.

▼ Decomposition temperature (°F)

No data available.

Data on fire and explosion hazards

Flash point (°F)

-

Flash point (°C)

>100

▼ Flammability (°F)

No data available.

▼ Auto-ignition temperature (°F)

No data available.

Explosion limits (% v/v)

1.6 - 3.6

Solubility

Solubility in water

Insoluble

▼ n-octanol/water coefficient (LogKow)

No data available.

▼ Solubility in fat (g/L)

No data available.

9.2. Other information

Other physical and chemical parameters

No data available.

▼ Oxidizing properties

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

#### 10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies

None known.

#### 10.4. Conditions to avoid

None known.

#### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 10.6. Hazardous decomposition products

Thermal decomposition may produce corrosive vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

|                    |                                 |
|--------------------|---------------------------------|
| Product/substance  | 4,4,-methylenedicyclohexanamine |
| Species:           | Rat                             |
| Route of exposure: | Oral                            |
| Test:              | LD50                            |
| Result:            | 625 mg/kg                       |

|                    |                                 |
|--------------------|---------------------------------|
| Product/substance  | 4,4,-methylenedicyclohexanamine |
| Species:           | Rabbit                          |
| Route of exposure: | Dermal                          |
| Test:              | LD50                            |
| Result:            | 2110 mg/kg                      |

Harmful if swallowed.

##### Skin corrosion/irritation

Causes severe skin burns and eye damage.

##### Serious eye damage/irritation

Causes serious eye damage.

##### Respiratory sensitisation

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

##### Skin sensitisation

May cause an allergic skin reaction.

##### 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.

##### Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

##### Other information

None known.

## SECTION 12: Ecological information

### 12.1. ▼ Toxicity

|                   |                                 |
|-------------------|---------------------------------|
| Product/substance | 4,4,-methylenedicyclohexanamine |
| Species:          | Fish                            |
| Duration:         | 96 hours                        |
| Test:             | LC50                            |
| Result:           | >100 mg/L                       |

|                   |                                 |
|-------------------|---------------------------------|
| Product/substance | 4,4,-methylenedicyclohexanamine |
| Species:          | Fish                            |
| Duration:         | 96 hours                        |
| Test:             | LC0                             |
| Result:           | 46 mg/L                         |

|                   |                                 |
|-------------------|---------------------------------|
| Product/substance | 4,4,-methylenedicyclohexanamine |
| Species:          | Daphnia Magna                   |
| Duration:         | 48 hours                        |
| Test:             | EC50                            |
| Result:           | 6,84 mg/L                       |

|                   |                                 |
|-------------------|---------------------------------|
| Product/substance | 4,4,-methylenedicyclohexanamine |
| Species:          | Daphnia Magna                   |
| Duration:         | 21 days                         |
| Test:             | NOEC                            |
| Result:           | 4 mg/L                          |

|                   |                                 |
|-------------------|---------------------------------|
| Product/substance | 4,4,-methylenedicyclohexanamine |
| Species:          | Algae                           |
| Duration:         | 72 hours                        |
| Test:             | EC50                            |
| Result:           | 140 - 200 mg/L                  |

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

### 12.2. ▼ Persistence and degradability

|                   |                                 |
|-------------------|---------------------------------|
| Product/substance | 4,4,-methylenedicyclohexanamine |
| Conclusion:       | Not biodegradable               |

### 12.3. ▼ Bioaccumulative potential

|                   |                                  |
|-------------------|----------------------------------|
| Product/substance | 4,4,-methylenedicyclohexanamine  |
| LogKow:           | 2,03                             |
| Conclusion:       | No potential for bioaccumulation |

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

None of the components are listed

### Specific labelling

### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

#### SECTION 14: Transport information

|      | 14.1<br>UN / ID | 14.2<br>UN proper shipping name                                                  | 14.3<br>Hazard class(es)                                         | 14.4<br>PG* | 14.5<br>Env** | Other<br>information:                                                                                                          |
|------|-----------------|----------------------------------------------------------------------------------|------------------------------------------------------------------|-------------|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| DOT  | 2735            | AMINES, LIQUID, CORROSIVE, N.O.S. or<br>POLYAMINES, LIQUID, CORROSIVE,<br>N.O.S. | Transport hazard class: 8<br>Label: 8<br>Classification code: C7 | II          | No            | Limited<br>quantities:<br>1 L<br>Tunnel<br>restriction<br>code: 2<br>(E)<br>See below<br>for<br>additional<br>information<br>. |
| IMDG | 2735            | AMINES, LIQUID, CORROSIVE, N.O.S. or<br>POLYAMINES, LIQUID, CORROSIVE,<br>N.O.S. | Transport hazard class: 8<br>Label: 8<br>Classification code: C7 | II          | No            | Limited<br>quantities:<br>1 L<br>EmS: F-A S-<br>B<br>See below<br>for<br>additional<br>information<br>.                        |
| IATA | 2735            | AMINES, LIQUID, CORROSIVE, N.O.S. or<br>POLYAMINES, LIQUID, CORROSIVE,<br>N.O.S. | Transport hazard class: 8<br>Label: 8<br>Classification code: C7 | II          | No            | See below<br>for<br>additional<br>information<br>.                                                                             |

\* Packing group

\*\* Environmental hazards

##### ▼ Additional information

This product is within scope of the regulations of transport of dangerous goods.

DOT / See § 172.101 Hazardous Materials Table for any information on special provisions, requirements, or warnings in connection with transport. See § 172.602, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

##### 14.6. Special precautions for user

Not applicable.

##### 14.7. Transport in bulk according to IMO instruments

No data available.

#### SECTION 15: Regulatory information

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

##### 15.2. ▼ U.S. Federal regulations

TSCA (the non-confidential portion)

4,4,-methylenedicyclohexanamine is listed

[Clean Air Act](#)

None of the components are listed

[EPCRA Section 302](#)

None of the components are listed

[EPCRA Section 304](#)

None of the components are listed

[EPCRA section 313](#)

None of the components are listed

[CERCLA](#)

None of the components are listed

▼ [Hazardous chemical inventory reporting](#)

This product is subject to Tier II reporting.

[State regulations](#)

[California / Prop. 65](#)

None of the components are listed

[Massachusetts / Right To Know Act](#)

None of the components are listed

[New Jersey / Right To Know Act](#)

None of the components are listed

[New York / Right To Know Act](#)

None of the components are listed

[Pennsylvania / Right To Know Act](#)

None of the components are listed

[15.4. Restrictions for application](#)

Restricted to professional users.

[15.5. Demands for specific education](#)

No specific requirements.

[15.6. Additional information](#)

Not applicable.

[15.7. Chemical safety assessment](#)

No

[15.8. Sources](#)

OSHA Hazard Communication Standard (29 CFR 1910.1200)

## SECTION 16: Other information

[Full text of H-phrases as mentioned in section 3](#)

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

[The full text of identified uses as mentioned in section 1](#)

None known.

[Abbreviations and acronyms](#)

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

DOT = Department of Transportation

EINECS = European Inventory of Existing Commercial chemical Substances  
EPCRA = Emergency Planning and Community Right-To-Know Act  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
HCIS = Hazardous Chemical Information System  
HNOC = Hazards Not Otherwise Classified  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NFPA = National Fire Protection Association  
NIOSH = National Institute for Occupational Safety and Health  
OECD = Organisation for Economic Co-operation and Development  
OSHA = Occupational Safety and Health Administration  
PBT = Persistent, Bioaccumulative and Toxic  
RCRA = Resource Conservation and Recovery Act  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SARA = Superfund Amendments and Reauthorization Act  
SCL = A specific concentration limit.  
STEL = Short-term exposure limits  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TSCA = The Toxic Substances Control Act  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

The safety data sheet is validated by  
safety@akasel.com

#### ▼ Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en