

## Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Printing date 09.09.2025

Version number 2 (replaces version 1)

Revision: 09.09.2025

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

**1.1 Product identifier****Trade name:** Acrylamide**Product Code:** 30-25**CAS Number:**

79-06-1

**EC number:**

201-173-7

**Index number:**

616-003-00-0

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Product category** PC21 Laboratory chemicals**Application of the substance / the mixture** Laboratory chemicals**Uses advised against**

Any use involving aerosol formation or vapour release in excess of the assigned Workplace Exposure Limit where workers are exposed without suitable Respiratory Protective Equipment.

Processes involving the use of incompatible substances - refer to section 10.

Any use carrying a risk of direct contact with eyes/skin where workers are exposed without adequate personal protective equipment (PPE).

Processes where workers who may be pregnant or breastfeeding could potentially come into direct contact with the undiluted product.

Processes involving extreme heat use advised against.

The product is strictly intended for industrial or professional use only.

**1.3 Details of the supplier of the safety data sheet****Supplier:**

Severn Biotech Ltd.

Unit 2,

Park Lane,

Kidderminster,

Worcestershire.

DY11 6TJ

UK

Tel: 0044 1562 825286

Fax: 0044 1562 825284

email: info@severnbiotech.com

**Further information obtainable from:** Product safety department.**1.4 Emergency telephone number:**

Members of the public seeking specific information on poisons should contact:

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

### SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture****Classification according to GB-CLP**

Acute Tox. 3 H301 Toxic if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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Skin Sens. 1 H317 May cause an allergic skin reaction.  
Muta. 1B H340 May cause genetic defects.  
Carc. 1B H350 May cause cancer.  
Repr. 2 H361f Suspected of damaging fertility.  
STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

### · 2.2 Label elements

· **Labelling according to GB-CLP** The substance is classified and labelled according to the GB CLP regulation.

### · Hazard pictograms



GHS06 GHS08

· **Signal word** Danger

### · Hazard statements

H301 Toxic if swallowed.  
H312+H332 Harmful in contact with skin or if inhaled.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H361f Suspected of damaging fertility.  
H372 Causes damage to organs through prolonged or repeated exposure.

### · Precautionary statements

P260 Do not breathe dust.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P330 Rinse mouth.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local regulations.

### · 2.3 Other hazards

### · Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### · 3.1 Substances

#### · CAS No. Description

CAS: 79-06-1 Acrylamide

#### · Identification number(s)

· **EC number:** 201-173-7

· **Index number:** 616-003-00-0

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· **SVHC**

CAS: 79-06-1 Acrylamide

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Personal protection for the First Aider.

##### · **After inhalation:**

In case of inhalation:

- Provide fresh air.

- In case of breathing difficulties administer oxygen.

- No mouth-to-mouth or mouth-to-nose resuscitation. Use respiratory bag or oxygen resuscitation apparatus.

- Do not leave patient unattended.

If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

##### · **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

May be absorbed through the skin. Seek medical advice.

##### · **After eye contact:**

Check for and remove any contact lenses.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

##### · **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

##### · **Information for doctor:** Treat symptomatically and supportively.

#### · **4.2 Most important symptoms and effects, both acute and delayed** Allergic reactions

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

If swallowed, gastric irrigation with added, activated carbon.

### SECTION 5: Firefighting measures

#### · **5.1 Extinguishing media**

##### · **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

##### · **For safety reasons unsuitable extinguishing agents:** Water with full jet

#### · **5.2 Special hazards arising from the substance or mixture**

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO<sub>x</sub>)

#### · **5.3 Advice for firefighters**

##### · **Protective equipment:**

Wear fully protective suit.

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Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

· **Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Avoid formation of dust.

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

· **6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

Ensure adequate ventilation.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Prevent formation of dust.

Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Whenever possible, carcinogenic and mutagenic substances should only be used in closed apparatus. If release of the substance cannot be prevented, then it should be extracted at the point of exit.

Laboratories should be equipped with suitable exhaust ventilation and fume cupboards.

Safety showers and eye wash facilities should be available at the work area.

· **Information about fire - and explosion protection:**

There is a risk of a dust explosion if the following conditions are met:

- The substance is present in very finely distributed form (powder, dust).

- The substance is whirled up in sufficient quantity in the air.

- An ignition source is present (flame, spark, electrostatic discharge, etc.)

Keep respiratory protective device available.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Prevent any seepage into the ground.

· **Information about storage in one common storage facility:**

Store away from oxidising agents.

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Store away from reducing agents.

Store away from metals.

Store away from foodstuffs.

**Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Store in a bunded area.

Maximum storage temperature: 32 °C

**Storage class: 6.1 D**
**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**
**Ingredients with limit values that require monitoring at the workplace:**
**CAS: 79-06-1 Acrylamide**

|     |                                                    |
|-----|----------------------------------------------------|
| WEL | Long-term value: 0.1 mg/m <sup>3</sup><br>Carc; Sk |
|-----|----------------------------------------------------|

**DNELs**

|            |                             |                                |
|------------|-----------------------------|--------------------------------|
| Dermal     | Short-term systemic effects | 3 mg/kg bw/day (worker)        |
|            | Long-term systemic effects  | 100 µg/kg bw/day (worker)      |
| Inhalative | Long-term systemic effects  | 70 µg/m <sup>3</sup> (worker)  |
|            | Short-term systemic effects | 120 µg/m <sup>3</sup> (worker) |
|            | Short-term local effects    | 120 µg/m <sup>3</sup> (worker) |

**PNECs**

|                                    |          |
|------------------------------------|----------|
| Freshwater                         | 32 µg/L  |
| Freshwater - Intermittent releases | 320 µg/L |
| Marine water                       | 2 µg/L   |
| Sewage Treatment Plant             | 200 µg/L |

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**
**Appropriate engineering controls** No further data; see section 7.

**Individual protection measures, such as personal protective equipment**
**General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Storing food in the working area is prohibited.

Pregnant women should strictly avoid inhalation or skin contact.

A safe system of work must be formulated and followed to ensure safe working with this product. Relevant workers must receive suitable and sufficient training and supervision.

Take note of assigned Workplace Exposure Limits.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Do not breathe dust

Depending on the degree of exposure, periodic medical examination is suggested.

**Respiratory protection:** Handle product in a fume cupboard.

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#### · Hand protection



Protective gloves.

Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · Material of gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### · Penetration time of glove material

Break-through time: &gt; 480 minutes

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### · Not suitable are gloves made of the following materials:

Leather gloves

Textile gloves.

#### · Eye/face protection



Tightly sealed goggles conforming to EN166.

#### · Body protection:



Impervious protective clothing

Do not get on skin or clothing. Wear clothing and footwear that cannot be penetrated by the product. Suitable protective equipment may include: Chemical resistant boots, Chemical resistant apron, Full chemical protective suit with a hood, Chemical protective suit consisting of a jacket and trousers. The jacket should be buttoned up to the neck, sleeves sealed at the gloves, and trouser legs worn outside the boots. These precautions are required to prevent the clothing from accidentally trapping product against the skin.

#### · Environmental exposure controls

Do not allow to enter drains, sewers or watercourses.

#### · Risk management measures

The operators shall be instructed adequately.

The workplace shall be inspected regularly by competent personnel e.g. the safety representative.

## SECTION 9: Physical and chemical properties

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

#### · General Information

##### · Physical state

Solid

##### · Colour:

Not determined.

##### · Odour:

Characteristic

##### · Odour threshold:

Not determined.

##### · Melting point/freezing point:

84 – 85 °C

##### · Boiling point or initial boiling point and boiling range

125 °C

##### · Flammability

Product is not flammable.

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>Lower and upper explosion limit</b></li> <li>· <b>Lower:</b></li> <li>· <b>Upper:</b></li> <li>· <b>Flash point:</b></li> <li>· <b>Decomposition temperature:</b></li> <li>· <b>pH</b></li> <li>· <b>Viscosity:</b></li> <li>· <b>Kinematic viscosity</b></li> <li>· <b>Dynamic:</b></li> <li>· <b>Solubility</b></li> <li>· <b>water:</b></li> <li>· <b>Partition coefficient n-octanol/water (log value)</b></li> <li>· <b>Vapour pressure at 20 °C:</b></li> <li>· <b>Density and/or relative density</b></li> <li>· <b>Density at 20 °C:</b></li> <li>· <b>Relative density</b></li> <li>· <b>Vapour density</b></li> </ul>                                                                                                                                                            | <ul style="list-style-type: none"> <li>Not determined.</li> <li>Not determined.</li> <li>Not applicable.</li> <li>Not determined.</li> <li>Not applicable.</li> <li></li> <li>Not applicable.</li> <li>Not applicable.</li> <li>Not applicable.</li> <li></li> <li>Not determined.</li> <li>Not determined.</li> <li>0.009 hPa</li> <li></li> <li>1.03 g/cm<sup>3</sup></li> <li>Not determined.</li> <li>Not applicable.</li> </ul>                                                     |
| <ul style="list-style-type: none"> <li>· <b>9.2 Other information</b></li> <li>· <b>Appearance:</b></li> <li>· <b>Form:</b></li> <li>· <b>Important information on protection of health and environment, and on safety.</b></li> <li>· <b>Ignition temperature:</b></li> <li>· <b>Explosive properties:</b></li> <li>· <b>Molecular weight</b></li> <li>· <b>Change in condition</b></li> <li>· <b>Evaporation rate</b></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"> <li>NOTE: The physical data presented above are typical values and should not be construed as a specification.</li> <li></li> <li>Solid</li> <li></li> <li>Not determined.</li> <li>Product is not explosive. However, formation of explosive air/dust mixtures are possible.</li> <li>71.08 g/mol</li> <li></li> <li>Not applicable.</li> </ul>                                                                                                      |
| <ul style="list-style-type: none"> <li>· <b>Information with regard to physical hazard classes</b></li> <li>· <b>Explosives</b></li> <li>· <b>Flammable gases</b></li> <li>· <b>Aerosols</b></li> <li>· <b>Oxidising gases</b></li> <li>· <b>Gases under pressure</b></li> <li>· <b>Flammable liquids</b></li> <li>· <b>Flammable solids</b></li> <li>· <b>Self-reactive substances and mixtures</b></li> <li>· <b>Pyrophoric liquids</b></li> <li>· <b>Pyrophoric solids</b></li> <li>· <b>Self-heating substances and mixtures</b></li> <li>· <b>Substances and mixtures, which emit flammable gases in contact with water</b></li> <li>· <b>Oxidising liquids</b></li> <li>· <b>Oxidising solids</b></li> <li>· <b>Organic peroxides</b></li> <li>· <b>Corrosive to metals</b></li> <li>· <b>Desensitised explosives</b></li> </ul> | <ul style="list-style-type: none"> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> </ul> |

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### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
There is a risk of a dust explosion if the following conditions are met:
  - The substance is given in very finely distributed form (powder, dust).
  - The substance is whirled up in sufficient quantity in the air.
  - An ignition source is present (flame, spark, electrostatic discharge, etc.)
- **10.3 Possibility of hazardous reactions**  
Reacts with oxidising agents.  
Reacts with strong acids.
- **10.4 Conditions to avoid** Heat and static discharge.
- **10.5 Incompatible materials:**  
Strong acids and oxidising agents  
Reducing agents.  
Finely powdered metals.  
Substances specifically listed in section 10.3 as incompatible.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Ammonia  
Nitrogen oxides (NO<sub>x</sub>)

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**  
Toxic if swallowed.  
Harmful in contact with skin or if inhaled.

#### · **LD/LC50 values relevant for classification:**

|        |      |                   |
|--------|------|-------------------|
| Oral   | LD50 | 177 mg/kg (rat)   |
| Dermal | LD50 | 1,141 mg/kg (rat) |

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **Germ cell mutagenicity**  
May cause genetic defects.
- **Carcinogenicity**  
May cause cancer.
- **Reproductive toxicity**  
Suspected of damaging fertility.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
Causes damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

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- **Subacute to chronic toxicity:**  
EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: May have effects on the central nervous system.
- **Additional toxicological information:**  
ROUTES OF EXPOSURE: Can be absorbed into the body by ingestion, by inhalation (mist and vapour) and through the skin.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties** Substance is not listed.

## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · **Aquatic toxicity:**

|             |                    |
|-------------|--------------------|
| EC50 (96 h) | 98 mg/l (Bacteria) |
|-------------|--------------------|

- **12.2 Persistence and degradability** Readily biodegradable
- **12.3 Bioaccumulative potential** Product is not expected to bioaccumulate.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 3 (German Regulation) (Assessment by list): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.

## SECTION 13: Disposal considerations

### · 13.1 Waste treatment methods

#### · **Recommendation**

Recommended Hierarchy of Controls:

- Minimise waste;
- Reuse if not contaminated;
- Recycle, if possible; or
- Safe disposal (if all else fails).

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact waste processors for recycling information.

Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

#### · **Uncleaned packaging:**

#### · **Recommendation:**

Disposal must be made according to official regulations.

Container remains hazardous when empty. Continue to observe all precautions.

Containers, even those that are "empty," may contain residues that can develop flammable and/or hazardous vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

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### \* SECTION 14: Transport information

|                                                                                     |                                                  |
|-------------------------------------------------------------------------------------|--------------------------------------------------|
| · 14.1 UN number or ID number                                                       | UN2074                                           |
| · ADR/RID/ADN, IMDG, IATA                                                           |                                                  |
| · 14.2 UN proper shipping name                                                      | UN2074 ACRYLAMIDE, SOLID                         |
| · ADR/RID/ADN                                                                       | ACRYLAMIDE, SOLID                                |
| · IMDG, IATA                                                                        |                                                  |
| · 14.3 Transport hazard class(es)                                                   |                                                  |
| · ADR/RID/ADN                                                                       |                                                  |
|    |                                                  |
| · Class                                                                             | 6.1 (T2) Toxic substances.                       |
| · Label                                                                             | 6.1                                              |
| · IMDG, IATA                                                                        |                                                  |
|  |                                                  |
| · Class                                                                             | 6.1 Toxic substances.                            |
| · Label                                                                             | 6.1                                              |
| · 14.4 Packing group                                                                |                                                  |
| · ADR/RID/ADN, IMDG, IATA                                                           | III                                              |
| · 14.5 Environmental hazards:                                                       |                                                  |
| · Marine pollutant:                                                                 | No                                               |
| · 14.6 Special precautions for user                                                 | Warning: Toxic substances.                       |
| · Hazard identification number (Kemler code):                                       | 60                                               |
| · Hazchem Code:                                                                     | 2X                                               |
| · EMS Number:                                                                       | F-A,S-A                                          |
| · Stowage Category                                                                  | A                                                |
| · Stowage Code                                                                      | SW1 Protected from sources of heat.              |
| · Handling Code                                                                     | H2 Keep as cool as reasonably practicable        |
| · 14.7 Maritime transport in bulk according to IMO instruments                      | Not applicable.                                  |
| · Transport/Additional information:                                                 |                                                  |
| · ADR/RID/ADN                                                                       |                                                  |
| · Limited quantities (LQ)                                                           | 5 kg                                             |
| · Excepted quantities (EQ)                                                          | Code: E1                                         |
|                                                                                     | Maximum net quantity per inner packaging: 30 g   |
|                                                                                     | Maximum net quantity per outer packaging: 1000 g |
| · Transport category                                                                | 2                                                |
| · Tunnel restriction code                                                           | E                                                |

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|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| · <b>IMDG</b>                     |                                                  |
| · <b>Limited quantities (LQ)</b>  | 5 kg                                             |
| · <b>Excepted quantities (EQ)</b> | Code: E1                                         |
|                                   | Maximum net quantity per inner packaging: 30 g   |
|                                   | Maximum net quantity per outer packaging: 1000 g |
| · <b>UN "Model Regulation":</b>   | UN 2074 ACRYLAMIDE, SOLID, 6.1, III              |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**
- **Regulated explosives precursors** Substance is not listed.
- **Regulated poisons** Substance is not listed.
- **Reportable explosives precursors** Substance is not listed.
- **Reportable poisons** Substance is not listed.
- **Control Of Major Accident Hazards Regulations 2015 (COMAH)**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **National regulations:**
- **Information about limitation of use:**  
Workers are not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities in certain cases.
- **Substances of very high concern (SVHC) according to UK REACH**
- CAS: 79-06-1 | Acrylamide
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- **Training hints**  
This product should only be handled by workers who have received sufficient training in the safe handling and use of chemical products.
- **Department issuing SDS:** Product safety department.
- **Abbreviations and acronyms:**  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (UK REACH)  
PNEC: Predicted No-Effect Concentration (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

(Contd. on page 12)

## Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

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Revision: 09.09.2025

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**Trade name: Acrylamide**

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(Contd. of page 11)

Acute Tox. 3: Acute toxicity – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
Muta. 1B: Germ cell mutagenicity – Category 1B  
Carc. 1B: Carcinogenicity – Category 1B  
Repr. 2: Reproductive toxicity – Category 2  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

· **\* Data compared to the previous version altered.**

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