

1: Identification of substance / mixture

1. Product Identifier

Substance

Product Name **Bis-Acrylamide**
Product Code A11270
CAS Number 110-26-9
Other Names
IUPAC
MFCD Number
EC/EINECS 203-750-9
REACH Number Index-No

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

Research and Development

3. Details of the supplier of the safety data sheet

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Bildeston Road, Chelsworth
Ipswich
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IP77LE
UK



Telephone: 01449 741178
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4. Emergency telephone number

+44(0)1449 741178 -

2. Hazards Identification

1. Classification of the substance or mixture

H302	Acute Tox. 4	
H332	Acute Tox. 4	

2. Label elements

Signal Word **Warning**



Hazard Statements

H302	Harmful if swallowed.
H332	Harmful if inhaled.

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands and exposed skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.

3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

3. Composition / Information on Ingredients

1. Substances

Product Name	Hazards	Concentration
Bis-Acrylamide		

CAS Number: 110-26-9 H302, H332 Acute Tox. 4
EC/EINECS: 203-750-9

<=100%

4. First Aid Measures

1. Description of first aid measures

- Skin Contact* Wash immediately with plenty of soap and water.
Consult a doctor.
- Eye Contact* Bathe the eye with running water for 15 minutes.
Ensure adequate flushing by separating the eyelids with fingers
Consult a doctor.
- Ingestion* P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Wash out mouth with water.
Consult a doctor.
- Inhalation* P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Remove casualty from exposure ensuring one's own safety whilst doing so.
If breathing becomes bubbly, have the casualty sit and provide oxygen if available.
Consult a doctor.

2. Most important symptoms and effects

No data available

3. Indication of any immediate medical attention

P312: Call a POISON CENTER or doctor/physician if you feel unwell.
No data available

5. Firefighting measures

1. Extinguishing Media

Suitable Water spray.
Alcohol resistant foam.
Carbon dioxide.
Dry chemical powder.

Unsuitable None

2. Special Hazards arising from the substance or mixture

No data available

3. Advice for Fire Fighters

Wear self-contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

1. Personal Precautions

Refer to section 8 of SDS for personal protection details.

2. Environmental Precautions

Do not discharge into drains or rivers.

3. Methods & Materials

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

4. Preventing the occurrence of secondary hazards.

Clean up all spills immediately. Wear suitable PPE.

7. Handling and Storage

1. Personal Precautions

Safe Handling Ensure there is exhaust ventilation of the area.
Avoid direct contact with the substance.
Wash hands immediately after contamination.
Keep in original container only.
P264: Wash hands and exposed skin thoroughly after handling.

Protection against explosions and fires Normal measures for preventive fire protection.

2. Conditions for safe storage, including any incompatibilities

Managing Storage Risks Keep container tightly closed.

Storage Controls No special requirements

Maintaining Integrity No special requirements

Other advice no further information available

3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8. Exposure Controls/Personal Protection

1. Control Parameters

No Data Available

2. Exposure Controls

General protective and hygiene measures The standard precautionary measures should be adhered to when handling

Engineering measures P271: Use only outdoors or in a well-ventilated area.
Ensure there is exhaust ventilation of the area.

Eye / Face Protection Safety Goggles.
Ensure eye bath is to hand.
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Hand protection Protective gloves.
Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it

Respiratory protection P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
Respiratory protective device with particle filter.
Use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin protection Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Other personal protection advice no data

9. Physical and Chemical Properties

1. Physical and Chemical Properties

Appearance

Solid

Odour	No Data Available
Odour threshold	No Data Available
PH	No Data Available
Melting point / Freezing point	>300°C
Initial boiling point and boiling range	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability(solid,gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour density	No Data Available
Relative density	No Data Available
Solubility(ies):	20 g/l in water at 20°C
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

2. Other Information

None

10. Stability and Reactivity

1. Reactivity

no data available

2. Stability

Stable under recommended storage conditions

3. Possibility of Hazardous Reactions

no data available

4. Conditions to Avoid

no data available

5. Incompatible Materials

no data available

6. Hazardous Decomposition Products

In combustion emits toxic fumes.

11. Toxicology information

1. Information

<i>Acute Toxicity</i>	LD50 Oral (rat) 390 mg/kg
<i>Skin corrosion/irritation</i>	No information available
<i>Serious eye Damage/irritation</i>	No information available
<i>Respiratory or skin sensitisation</i>	No information available
<i>Germ Cell mutagenicity</i>	No information available
<i>Carcinogenicity</i>	No information available
<i>Reproductive toxicity</i>	not known
<i>STOT-single exposure</i>	not known

STOT-repeated exposure not known

Aspiration hazard not known

2. Additional

Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.

12. Ecological Information

1. Toxicity

No information available

2. Persistence and degradability

No information available

3. Bio-Accumulative Potential

No information available

4. Mobility and Soil

No information available

5. Results of PBT & vPvB assessment

No information available

6. Other adverse effects

No information available

13. Disposal Considerations

1. Waste Treatment Methods

Disposal Operations Hand over to authorised disposal company as hazardous waste.

Disposal of Packaging Disposal must be made according to official regulations.

14. Transport Information

Air (ICAO)

Not classified as hazardous for transport

Road (ADR)

Not classified as hazardous for transport

Sea (IMDG)

Not classified as hazardous for transport

15. Safety, health, environmental and national regulations

1. Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

2. Safety Assessment

No Chemical Safety Assessment

16. Other Information

1. Other Information:

ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road)

IMDG: International Maritime Code for Dangerous Goods

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

3. Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.

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