Safety data sheet

ClearBand Acrylamide/Bisacrylamide 40% (19:1)

Product name ClearBand Acrylamide/Bisacrylamide 40% (19:1)	Catalog no. AB191100, AB1911005
Synonyms Acrylamide / Bisacrylamide ready-to-use solution	Original revision date 01 April 2022
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand Acrylamide/Bisacrylamide 40% (19:1)
Product code	AB191100, AB1911005
CAS number	- (mixture)
EC number	-
Recommended use	For research use only. For preparation of electrophoresis gels; not intended for diagnostic or therapeutic use.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

GHS/CLP classification	Acute Tox. 4 (oral/inhalation); Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; Muta. 1B; Carc. 1B; Repr. 2; STOT RE 1. See H-statements below.
Hazard statements	H302 - Harmful if swallowed. H332 - Harmful if inhaled. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H340 - May cause genetic defects. H350 - May cause cancer. H361f - Suspected of damaging fertility. H372 - Causes damage to organs (peripheral nervous system) through prolonged or repeated exposure if swallowed.
GHS pictograms	
Signal word	Danger
Precautionary statements - prevention	P201 - Obtain special instructions before use. P202 - Read and understand all safety precautions before handling. P280 - Wear protective gloves, clothing and eye/face protection.
Precautionary statements - response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water, remove contact lenses if possible and continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P302+P352 - IF ON SKIN: Wash with plenty of water.
Other hazards	Avoid direct contact and unnecessary exposure; use only with appropriate laboratory protective measures.

Composition & response

ClearBand Acrylamide/Bisacrylamide 40% (19:1) | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand Acrylamide/Bisacrylamide 40% (19:1)
Synonyms	Acrylamide / Bisacrylamide solution
Concentration	40% total monomer concentration; acrylamide:bisacrylamide ratio 19:1.
Formula	- (mixture)
Molecular weight	- (mixture)
Product form	Aqueous, ready-to-use mixture; 0.22 µm filter sterilized.
Composition	Contains acrylamide (CAS 79-06-1) and N,N′-methylenebisacrylamide (CAS 110-26-9) in ultrapure water (CAS 7732-18-5).

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately rinse with plenty of water for at least 15 minutes; remove contact lenses if easy to do. Seek medical attention.
Skin contact	Remove contaminated clothing; wash skin with plenty of soap and water. Seek medical advice if irritation or sensitization develops.
Inhalation	Move to fresh air. If breathing is difficult, seek immediate medical attention.
Ingestion	Rinse mouth. Do not induce vomiting. Obtain prompt medical attention. Never give anything by mouth to an unconscious person.
Protection of first aider	Use suitable protective gloves and eye/face protection; avoid secondary exposure.
Most important symptoms / effects	Skin/eye irritation and skin sensitization; potential systemic effects after exposure.
Immediate medical attention / treatment	Treat symptomatically. If exposed or concerned, obtain medical advice/attention.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, carbon dioxide (CO2), foam or dry chemical powder.
Unsuitable extinguishing media	No information available.
Hazards arising from the mixture	Thermal decomposition may release carbon oxides and nitrogen oxides. Avoid inhaling fumes.
Explosion data	No information available regarding sensitivity to impact or static discharge.
Advice for firefighters	Use self-contained breathing apparatus and suitable protective clothing when fighting a surrounding fire.

Safe use & protection

ClearBand Acrylamide/Bisacrylamide 40% (19:1) | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes. Ensure ventilation and use suitable protective equipment.
Environmental precautions	Prevent uncontrolled release into drains and surface waters.
Methods for containment and cleaning up	Contain liquid and absorb with inert material. Collect in a closed, labelled chemical-waste container.
Reference to other sections	See Section 8 for protection and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid direct contact, breathing mist or aerosols, and contamination of work surfaces. Use personal protective equipment.
Conditions for safe storage	Keep securely closed and store at 2-8°C. Protect from incompatible chemicals; maintain suitable laboratory containment.
Container labelling	Keep in a properly labelled, tightly closed container.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation. Use local exhaust ventilation where practical.
Hygiene measures	Use good laboratory hygiene. Do not eat, drink or smoke during use. Wash hands after handling.
Eye / face protection	Wear tightly sealing chemical safety goggles; comply with EN 166 or equivalent.
Hand protection	Wear appropriate chemical-resistant protective gloves; inspect before use.
Skin and body protection	Wear a laboratory coat and protective clothing suitable for the risk of contact.
Respiratory protection	If ventilation is insufficient, use appropriate approved respiratory protection.

Material properties

ClearBand Acrylamide/Bisacrylamide 40% (19:1) | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid, aqueous solution
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point / freezing point	No data available
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
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	No data available
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
Oxidizing properties	No data available

10 STABILITY AND REACTIVITY

Reactivity	No hazardous reaction reported under normal laboratory conditions.
Chemical stability	Stable under recommended storage conditions (2-8°C).
Possibility of hazardous reactions	No information available.
Conditions to avoid	High temperatures, direct sunlight and incompatible reagents.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides and nitrogen oxides may form during thermal decomposition.

Health & environment

ClearBand Acrylamide/Bisacrylamide 40% (19:1) | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	H302 - Harmful if swallowed. H332 - Harmful if inhaled.
Skin corrosion / irritation	H315 - Causes skin irritation. H317 - May cause an allergic skin reaction.
Serious eye damage / eye irritation	H319 - Causes serious eye irritation.
Mutagenicity / carcinogenicity	H340 - May cause genetic defects. H350 - May cause cancer.
Reproductive toxicity	H361f - Suspected of damaging fertility.
STOT - SE	No information available.
STOT - RE	H372 - Causes damage to organs (peripheral nervous system) through prolonged or repeated exposure if swallowed.
Aspiration hazard	No information available.

11.2 Potential health effects

Ingestion: Harmful if swallowed.
Inhalation: Harmful if inhaled.
Skin: May cause irritation or an allergic skin reaction.
Eyes: Causes serious eye irritation.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	The environmental impact of this mixture has not been fully investigated.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No assessment information available.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of through a licensed chemical waste disposal service in accordance with applicable local and national requirements.
Contaminated packaging	Dispose of as chemical waste. Do not reuse empty containers.

Transport & reference

ClearBand Acrylamide/Bisacrylamide 40% (19:1) | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR/RID	-	Not regulated as dangerous goods for transport.	-	-	No
IMDG	-	Not regulated as dangerous goods for transport.	-	-	No
IATA	-	Not regulated as dangerous goods for transport.	-	-	No

- = Not applicable / not assigned.

Special precautions for user	Keep containers tightly closed and secured during transport.
Transport in bulk according to MARPOL / IBC	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Regulation (EC) No 1272/2008 (CLP) and Regulation (EC) No 1907/2006 (REACH), as applicable.
Environmental hazards	No additional data available.
Chemical safety assessment	No assessment information available.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and Very Bioaccumulative
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail