

Safety Data Sheet (SDS)

Revision Date:
01 April 2022

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name: Acrylamide/Bisacrylamide %40 (19:1)
Product Code: AB191100
CAS Number: -
EC Number: -

1.2 Details of the supplier of the safety data sheet

Company: EcoTech Biotechnology
Address: Universite Mah. İpekyolu Cad. Ata Teknokent A.Ş. B Blok No: 20/113 Yakutiye/Erzurum
Turkiye
Tel/Fax: 0090 442 282 20 44
Emergency
phone number: 0090 553 828 76 90

1.3 Product use

For research use only. Not intended for diagnostic or therapeutic use.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Physical hazards

Not classified

Health hazards

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Inhalation (Category 4), H332

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Skin sensitization (Category 1), H317

Germ cell mutagenicity (Category 1B), H340

Carcinogenicity (Category 1B), H350

Reproductive toxicity (Category 2), H361f

Specific target organ toxicity - repeated exposure, Oral (Category 1),

Peripheral nervous system, H372

2.2 Label elements

Symbols/Pictograms



Signal word

Hazard statements

Warning

H302 - Harmful if swallowed

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.
	H332 - Harmful if inhaled
Precautionary Statements - Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection
	P270 - Do not eat, drink or smoke when using this product
Precautionary Statements – Response	P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
	P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	P330 - Rinse mouth
	P332 + P313 - If skin irritation occurs: Get medical advice/attention

2.3 Other hazards

Not Applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Product Name

Acrylamide/Bisacrylamide %30 (37.5:1)

Synonyms: -

Concentration: -

Formula: -

Molecular Weight: -

This product is a mixture.

3.2 Mixture

Chemical Name	Classification	Weight %
Acrylamide (79-06-1)	Acute Tox. 3; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; Muta. 1B; Carc. 1B; Repr. 2; STOT RE 1; H301, H332, H312, H315, H319, H317, H340, H350, H361f, H372	>= 37.5 - < 40 %
N,N'-methylenediacrylamide (110-26-9)	Acute Tox. 3; Muta. 1B; H301, H340	>= 1 - < 10 %

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice	If symptoms persist, call a physician.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin Contact	Rinse skin with water. Immediate medical attention is not required.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a doctor.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical attention if symptoms occur
Self-protection of the first aider	Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms H302 - Harmful if swallowed

Indication of any immediate medical attention and special treatment needed

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If skin irritation occurs: Get medical advice/ attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable Extinguishing

No information available

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

No information available.

5.3 Explosion data

Sensitivity to Mechanical Impact

No information available.

Sensitivity to Static Discharge

No information available.

5.4 Protective equipment and precautions for firefighters

Advice for firefighters

Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

Soak up with inert absorbent material.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed. Store in a cool, dry, well-ventilated area away from incompatible substances.

Keep in properly labelled containers.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke.

Wash hands, forearms and face after handling.

Personal protective equipment

Eye/face protection:

Tight sealing safety goggles.

Hand protection:

Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

Skin and body protection:	Wear laboratory coat or impervious clothing. Choose appropriate body protection according to the amount and concentration of the substance at the work place.
Respiratory protection:	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance:	Liquid
b) Odor:	No data available
c) Odor Threshold:	No data available
d) pH:	No data available
e) Melting point/freezing point:	No data available
f) Initial boiling point and boiling range:	No data available
g) Flash point:	No data available
h) Evaporation rate:	No data available
i) Flammability (solid, gas):	No data available
j) Upper / lower flammability or explosive limits:	No data available
k) Vapor pressure:	No data available
l) Vapor density:	No data available
m) Relative density:	No data available
n) Solubility(ies):	No data available
o) Partition coefficient: <i>n</i> -octanol / water:	No data available
p) Auto-ignition temperature:	No data available
q) Decomposition temperature:	No data available
r) Viscosity:	No data available
s) Explosive properties:	No data available
t) Oxidizing properties:	No data available

SECTION 10. STABILITY AND REACTIVITY

Stability and reactivity

Reactivity:	Not applicable.
Chemical stability:	Stable at a cool and dry place.
Possibility of hazardous reactions:	Hazardous reaction has not been reported.
Conditions to avoid:	Contact with acids or bleach liberates toxic gases. DO NOT ADD acids or bleach to any liquid wastes containing this product.
Incompatible materials:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	Carbon oxides. Nitrogen oxides (NO _x). Sulphur oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

a) Acute toxicity:	
Oral: No data available	
Acute toxicity estimate Oral - 455,6 mg/kg	
(Calculation method)	
Symptoms: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.	
LC50 Inhalation - 4 h - 11 mg/l - vapor	
Symptoms: Possible symptoms:, mucosal irritations	
Acute toxicity estimate Dermal - > 2.000 mg/kg	
(Calculation method)	
b) Skin corrosion / irritation:	Skin irritation.
c) Serious eye damage/eye irritation:	Irritating to eyes.
d) Carcinogenicity:	Possible carcinogen.
e) Reproductive toxicity:	Evidence to impair fertility.
f) STOT - SE:	No data available.
g) STOT - RE:	Mixture causes damage to organs through prolonged or repeated exposure. - Peripheral nervous system
h) Aspiration hazard:	Data are conclusive but insufficient for classification.

11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.

11.3 Additional Information

No additional information is available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

The environmental impact of this product has not been fully investigated.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Contact a licensed professional waste disposal service to dispose of this material. Dispose of in accordance with federal, state and local requirements.

Contaminated packaging

Dispose of as unused product. Do not reuse empty containers.

Section 14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: No IMDG: No IATA: No

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

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

Substances of Very High Concern None.

Substance subject to authorisation per REACH Annex XIV None

Restricted substances under EC 1907/2006, Annex XVII None.

Substances listed under Annex I of Regulation (EC) No 689/2008 None.

Restricted substances under Annex V of Regulation (EC) No 689/2008 None

15.2 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

SECTION 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 very Bioaccumulative and toxic

ADR: European 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 code for Dangerous Goods

REACH: Registration, Evaluation, Authorization and restriction of Chemicals

RID: Regulations concerning the International transport of Dangerous goods by rail