

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

Identification of the substance or mixture

Product code 23221
Product name Pierce(R) BCA Protein Assay

Company/undertaking identification

Life Technologies Corporation
5781 Van Allen Way
PO Box 6482
Carlsbad, CA 92008
+1 760 603 7200

Life Technologies
5250 Mainway Drive
Burlington, ONT
CANADA L7L 6A4
800/263-6236

Thermo Fisher Scientific
Pierce Biotechnology
P.O. Box 117
Rockford, IL 61105
United States
1.815.968.0747 or
1.800.874.3723

24 hour Emergency Response: 866-536-0631
301-431-8585
Outside of the U.S. +1-301-431-8585

Country specific Emergency Number (if available):
CHEMTREC Brazil (Rio De Janeiro) +(55)-2139581449 (português)

Use as laboratory reagent. Scientific research and development.

SECTION 2: Hazards Identification

GHS - Classification

Signal Word
None

Health hazards
Not classified

Physical hazards
Not classified

Hazard Statements
Not Applicable

Precautionary Statements

Prevention
Not Applicable

Response
Not Applicable

Storage
Not Applicable

Disposal
Not Applicable

Principle Routes of Exposure

Potential Health Effects

eyes May cause eye irritation with susceptible persons.
Skin May cause skin irritation in susceptible persons.
inhalation May be harmful by inhalation.
Ingestion May be harmful if swallowed.

Specific effects

Carcinogenic effects None.
Mutagenic effects None.
Reproductive toxicity None.
Sensitization None.

Target Organ Effects No known effects under normal use conditions.

HMIS

Health	0
Flammability	0
Reactivity	0

SECTION 3: Composition/Information on Ingredients

Component	CAS-No	EINECS-No	Weight %
Sodium carbonate 497-19-8 (1-5)	497-19-8	207-838-8	1-5
[2,2'-Biquinoline]-4,4'-dicarboxylic acid, sodium salt (1:2) 979-88-4 (1-5)	979-88-4	-	1-5

The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 4: First aid measures

Skin contact Rinse cautiously with water for several minutes. Immediate medical attention is not required.
Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Ingestion Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

inhalation Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed
Not Applicable

Notes to Physician Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Special protective equipment for firefighters Standard procedure for chemical fires.
Specific hazards arising from the chemical Not known

SECTION 6: Accidental release measures

Personal precautions Always wear recommended Personal Protective Equipment. Use personal protection equipment.
Methods for cleaning up Soak up with inert absorbent material.

Environmental precautions

No special environmental precautions required.

See Section 12 for more information.

SECTION 7: Handling and storage

Handling Always wear recommended Personal Protective Equipment. No special handling advices are necessary.
Storage Keep in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

Exposure Limits

We are not aware of any national exposure limit.

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Sodium carbonate	None	None	None	None
[2,2'-Biquinoline]-4,4'-dicarboxylic acid, sodium salt (1:2)	None	None	None	None

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection Impervious gloves.
Eye protection Wear safety glasses with side shields (or goggles).
Skin and Body Protection Lightweight protective clothing.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls No special environmental precautions required.

SECTION 9: Physical and chemical properties

General information

Form Liquid
Appearance No data available
Odor No data available
Odor Threshold No data available
Boiling point / boiling range °C No data available *F No data available
Melting point / melting range °C No data available *F No data available
flash point °C No data available *F No data available
Autoignition Temperature °C No data available *F No data available
Evaporation rate No data available
Flammability (solid, gas) No data available
Oxidizing properties No data available
Water solubility No data available
Upper explosion limit No data available
Lower explosion limit No data available
Partition coefficient: n-octanol/water No data available
Vapor Pressure No data available
vapor density No data available
Viscosity No data available
pH value No data available

SECTION 10: Stability and reactivity

Stability Stable under normal conditions.
Materials to avoid No dangerous reaction known under conditions of normal use.
Possibility of hazardous reactions Hazardous reaction has not been reported
Hazardous decomposition products None under normal use conditions.
polymerization Hazardous polymerization does not occur.
Conditions to avoid None under normal processing.

SECTION 11: Toxicological Information

Acute Toxicity

No toxicology information is available.

Chemical Name	LD50 (oral rat/mouse)	LD50 (dermal rat/rabbit)	LC50 (inhalation rat/mouse)
Sodium carbonate	= 4090 mg/kg (Rat)	No data available	=2300mg/m ³ (Rat)
[2,2'-Biquinoline]-4,4'-dicarboxylic acid, sodium salt (1:2)	No data available	No data available	No data available

Principle Routes of Exposure

Potential Health Effects

eyes May cause eye irritation with susceptible persons.
 Skin May cause skin irritation in susceptible persons.
 Inhalation May be harmful by inhalation.
 Ingestion May be harmful if swallowed.

Carcinogenic effects None.
 Mutagenic effects None.
 Reproductive toxicity None.
 Sensitization None.

SECTION 12: Ecological Information

Ecotoxicity Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
 Mobility No information available.
 Biodegradation No information available.
 Bioaccumulation No information available.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Sodium carbonate	Nitzschia EC50-242 mg/L (120 h)	Daphnia magna EC50-265 mg/L (48 h)			

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport Information

IATA

Proper Shipping Name No dangerous good in sense of these transport regulations
 Hazard Class None
 Subsidiary class None
 Packing group None
 UN-No None
 Environmental hazards None

SECTION 15: Regulatory Information

Component	US TSCA
Sodium carbonate 497-19-8 (1-5)	Listed
[2,2'-Biquinoline]-4,4'-dicarboxylic acid, sodium salt (1:2) 678-68-4 (1-5)	-

US Federal Regulations

SARA 313
This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain HAPs.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16: Other Information

Reason for revision SDS sections updated.

Use as laboratory reagent. Scientific research and development.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE

End of Safety Data Sheet