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SAFETY DATA SHEET COLLECTION / TWO COMPONENTS

PRODUCT / KIT CODES

CCA20 / CCA50 / CCA100

2 component SDS documents | 13 total pages | Format version 3

Component safety data sheets

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Document information

Catalog numbers	CCA20, CCA50, CCA100
Component SDS revision	07 April 2022
Format version / compilation date	3 / 23 October 2026

About this compilation

Each component safety data sheet is presented separately in the EcoTech refined layout. The source safety information and the source SDS revision date are preserved. This compilation and format revision do not constitute a new chemical safety assessment or regulatory approval.

Safety data sheet

Propidium Iodide (PI) Staining Solution

Product name Propidium Iodide (PI) Staining Solution	Catalog no. CCA20, CCA50, CCA100
Synonyms -	Source SDS revision 07 April 2022
CAS no. / EC no. - / -	Format version / date 3 / 23 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	Propidium Iodide (PI) Staining Solution
Product code	CCA20, CCA50, CCA100
CAS number / EC number	- / -
Recommended use	For research use only
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone / fax	0090 442 282 20 44
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

Classification	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Label elements	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Symbols / pictograms	None
Signal word	None
Hazard statements	Not Applicable
Precautionary statements - Prevention	Not Applicable
Precautionary statements - Response	Not Applicable
Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Possible sensitizer.

Composition & response

PI Staining Solution | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	Propidium Iodide (PI) Staining Solution
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	After eye contact: rinse out with plenty of water. Remove contact lenses.
Skin contact	If on skin, rinse well with water.
Inhalation	After inhalation: fresh air.
Ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.
Immediate medical attention and special treatment needed	No data available

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special hazards arising from the substance or mixture	No information available.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	Prevent fire extinguishing water from contaminating surface water or the ground water system.

Safe use & protection

PI Staining Solution | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid formation of dust. Avoid breathing vapours, mist or gas. For personal protection see section 8.
Environmental precautions	Local authorities should be advised if significant spillages cannot be contained. Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains. Collect bind, and pump off spills. Keep in suitable, closed containers for disposal. Avoid generation of dusts.
Reference to other sections	For disposal see section 13.

07 HANDLING AND STORAGE

Advice on safe handling	Work under hood. Do not inhale substance.
Precautions for safe handling	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Conditions for safe storage, including any incompatibilities	Recommended storage temperature -20 °C.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Ingredients with workplace control parameters.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.
Eye / face protection	Wear safety glasses with side-shields conforming to European Standard EN166.
Hand protection	Wear protective gloves.
Skin and body protection	Not required.
Respiratory protection	Not required; except in case of aerosol formation.

Material properties

PI Staining Solution | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Form: liquid Color: orange, red
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	None

10 STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	No data available

Health & environment

PI Staining Solution | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Oral: No data available Inhalation: No data available Dermal: No data available
Skin corrosion / irritation	Not classified based on available information.
Serious eye damage / eye irritation	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive toxicity	Not classified based on available information.
STOT - SE	Not classified based on available information.
STOT - RE	Not classified based on available information.
Aspiration hazard	No data available

11.2 Potential health effects

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Can be disposed as waste water, when in compliance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Transport & reference

PI Staining Solution | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	al hazards
ADR/RID	-	Not dangerous goods	-	-	No
IMDG	-	Not dangerous goods	-	-	No
IATA	-	Not dangerous goods	-	-	No

Special precautions for user	Not classified as dangerous in the meaning of transport regulations.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out.

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

Document revision record

Format version / date	3 / 23 October 2026
Revision notes	Layout update to the EcoTech refined template; safety information unchanged.

Safety data sheet

RNAse A Reagent

Product name RNAse A Reagent	Catalog no. CCA20, CCA50, CCA100
Synonyms -	Source SDS revision 07 April 2022
CAS no. / EC no. - / -	Format version / date 3 / 23 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	RNAse A Reagent
Product code	CCA20, CCA50, CCA100
CAS number / EC number	- / -
Recommended use	For research use only
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone / fax	0090 442 282 20 44
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

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

Classification	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
Label elements	Labeling according Regulation (EC) No 1272/2008 [EC]
Pictogram	None
Signal word	None
Hazard statement(s)	No hazardous ingredients
Precautionary statement(s)	None
Other hazards	None known.

Composition & response

RNAse A Reagent | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	RNAse A Reagent
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-

This product is a mixture.

3.2 Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs.
Skin contact	If on skin, rinse well with water.
Inhalation	Move to fresh air. If breathed in, move person into fresh air. Seek medical advice if discomfort occurs.
Ingestion	Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Rinse mouth with water.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special hazards arising from the substance or mixture	No information available.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	Standard procedure for chemical fires.

Safe use & protection

RNAse A Reagent | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid formation of dust. Avoid breathing vapours, mist or gas. For personal protection see section 8.
Environmental precautions	Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

07 HANDLING AND STORAGE

Precautions for safe handling	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Conditions for safe storage, including any incompatibilities	Keep tightly closed. Protect from light. See label, package insert or internal guidelines.

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, especially in confined areas.
Hygiene measures	Contains no substances with occupational exposure limit values.
Eye / face protection	Wear safety glasses with side-shields conforming to European Standard EN166.
Hand protection	Wear protective gloves.
Skin and body protection	Wear laboratory coat or impervious clothing.
Respiratory protection	No personal respiratory protective equipment normally required.

Material properties

RNAse A Reagent | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Odor	Odorless
Odor threshold	No data available
pH	8
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	Not flash
Evaporation rate	No data available
Flammability (solid, gas)	The product is not flammable
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	The substance or mixture is not classified as oxidizing.

10 STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	No data available
Incompatible materials	No data available
Hazardous decomposition products	No data available

Health & environment

RNAse A Reagent | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

There is no evidence available indicating acute toxicity

Acute toxicity	Not classified based on available information.
Skin corrosion / irritation	Not classified based on available information.
Serious eye damage / eye irritation	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive toxicity	Not classified based on available information.
STOT - SE	Not classified based on available information.
STOT - RE	Not classified based on available information.
Aspiration hazard	Not classified based on available information.

11.2 Potential health effects

Ingestion	May be harmful if swallowed.
Inhalation	May be harmful if inhaled.
Skin	May be harmful if absorbed through skin.
Eyes	May be harmful if in contact with eyes.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	Not relevant

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Can be disposed as waste water, when in compliance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Transport & reference

RNAse A Reagent | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	al hazards
ADR/RID	-	Not dangerous goods	-	-	No
IMDG	-	Not dangerous goods	-	-	No
IATA	-	Not dangerous goods	-	-	No

Special precautions for user	Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances - Not applicable Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances - Not applicable Water contaminating class (Germany) - WGK 1 slightly water endangering
Chemical Safety Assessment	A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

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
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