



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifiers

Product name : **Sodium Citrate Solution, 0.11M (3.2%)**

Product Number : REF **100994**

Brand : Bio/Data Corporation

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses:

IVD

For in vitro diagnostic use; professional laboratory use by qualified personnel only

Laboratory chemicals. Reagent for coagulation, hematology, and platelet function tests.

1.3 Details of the supplier of the safety data sheet:

Company : Bio/Data Corporation
155 Gibraltar Road
Horsham, PA 19044
UNITED STATES

Telephone: +1 215 441-4000
Fax: +1 215 443-8820
Email: customer.service@biodatacorp.com
Web Site: www.biodatacorp.com

1.4 Emergency telephone

Emergency Phone #: Follow laboratory blood/ infectious hazard protocol
+1 215 441-4000 (0830 – 1630)

An ISO 13485 Registered Company

155 Gibraltar Road, Horsham, PA 19044 U.S.A.
Worldwide: (215) 441-4000 U.S.A.: (800) 257-3282 Fax Worldwide: (215) 443-8820
www.biodatacorp.com e-mail: customer.service@biodatacorp.com

SECTION 2: HAZARDS IDENTIFICATION2.1 Classification of the substance or mixture:

Not a hazardous substance or mixture.

2.2 Label Elements:

Not a hazardous substance or mixture.

2.3 Other Hazards:None
Restricted to professional users**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substances*Synonyms:* Sodium Citrate Solution, Tri Sodium Citrate*Molecular weight:* 258.07 g/mol*Formula:* C6 H5 Na3 O7 H2O*CAS-No.:* 68-04-02*EC-No.:*

No components need to be disclosed according to the applicable regulations.

3.2 Mixtures

Component	Identifier	Classification	Formula
Tri Sodium Citrate	Cas No.: 68-04-02	Not Hazardous	C6 H5 Na3 O7 H2O

SECTION 4: FIRST AID MEASURES4.1 Description of first-aid measures

General	Consult a physician. Show this material safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 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

4.3 Indication of any immediate medical attention and special treatment needed:

No further information available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture:

Carbon oxides
Sodium oxides

5.3 Advice for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information:

No further information available

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid breathing vapors, mist or gas. For personal protection see section 8.

6.2 Environmental precautions:

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up:

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Advice on safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Hygiene measures

Handle in accordance with good industrial hygiene and laboratory safety practices. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): 12: Non-Combustible Liquids

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Ingredients with workplace control parameters:

Contains no substances with occupational exposure limit values.

8.2 Exposure controls:

Appropriate engineering controls:

Restricted to professional users. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment:*General:*

The usual precautionary measures are to be adhered to when handling chemicals.

Eye/Face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with 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.

Body protection:

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure:

Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES9.1 Information on basic physical and chemical properties:

- | | | | |
|----|---|---|-------------------|
| a) | Appearance Form | : | Liquid |
| | | | Color: Colorless |
| 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)	Water solubility	:	Completely Miscible
o)	Partition coefficient - n-octanol/water	:	No Data Available
p)	Autoignition temperature	:	No Data Available
q)	Decomposition temperature	:	No Data Available
r)	Viscosity	:	No Data Available
s)	Explosive properties	:	Not classified as explosive
t)	Oxidizing properties	:	None

9.2 Other safety information:

No Other Data Available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No Data Available

10.2 Chemical stability:

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

No Data Available

10.4 Conditions to avoid:

No Data Available

10.5 Incompatible materials:

No Data Available

10.6 Hazardous decomposition products:

No data available. In the event of fire: see section 5

SECTION 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 : No Data Available

Serious eye damage/eye irritation: No Data Available

Respiratory or skin sensitization : No Data Available

Germ cell mutagenicity : No Data Available

Carcinogenicity : IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity : No Data Available

Specific target organ toxicity : single exposure - No Data Available

Specific target organ toxicity : repeated exposure - No Data Available

Aspiration hazard : No Data Available

11.2 Additional Information : No Data Available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity : No Data Available

12.2 Persistence and degradability : No Data Available

12.3 Bio accumulative potential : No Data Available

12.4 Mobility in soil : No Data Available

12.5 Results of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Endocrine disrupting properties : No Data Available

12.7 Other adverse effects : No Data Available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated Packaging: Dispose of as unused product.

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

US DOT: 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 Marine pollutant: no IATA: no

14.6 Special precautions for user: No Data Available

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2008.

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

No Data Available

15.2 Chemical Safety Assessment:

For this product a chemical safety assessment was not carried out

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Water	CAS-No. 7732-18-5	Revision Date
trisodium citrate	68-04-2	

New Jersey Right To Know Components

Water	CAS-No. 7732-18-5	Revision Date
trisodium citrate	68-04-2	

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16: OTHER INFORMATION

Restrictions on use: No Data Available

Advice: No Data Available

Literary Reference: No Data Available

Further information:

Preparation Date: April 1, 2023

Revision Level and Date: Revision A, February 1, 2024

Abbreviations and Acronyms:

SDS:	Safety Data Sheet
PBT:	Persistence, Bioaccumulation, Toxicity
vPvB:	Very persistent and very bio accumulative
STOT	specific target organ toxicity
SCBA:	Self-contained breathing apparatus
ADR:	Agreement concerning the carriage of dangerous goods by road
RID	Regulation concerning the international carriage of dangerous goods by rail
IMDG	International Maritime Dangerous Goods code
IATA	International air transport organization
DOT	US Department of Transportation
ANSI	American National Standards Institute
OSHA	Occupational Safety & Health Administration (US)

Information related to the Regulation EC/1272/2008

This product is intended for **IN VITRO diagnostic use only**. NOT FOR INJECTION OR INGESTION. The information herein is believed to be correct as of the date hereof and excludes any guarantee related with the final use given to the product, being the recipient the last responsible for observing the local laws applicable in each case.