

SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
 Generic EU MSDS – No country specific data
 REVISION DATE: 2014-07-08

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Tris-Buffered Saline (TBS) pH8.0/pH7.6
 Article number: 09-7500, 12-9133, 12-9134

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

Identified uses: Laboratory chemical

1.3 Details of the supplier of the safety data sheet

Company: Medicago AB
 Danmark Berga 13
 755 98 Uppsala
 Telephone: +46 (0)18 56 11 80
 Facsimile: +46 (0)18 56 11 88
 E-mail address: info@medicago.se

1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112

2. Hazards identification

2.1 Classification of the substance or mixture

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

Classified: Skin Irritation (category 2), H315
 Eye Irritation (category 2), H319
 Specific Target Organ Toxicity – single exposure (category 3), H335

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)



Signal word: Warning

Hazard statement(s):

H315 Cause skin irritation
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation

Precautionary statement(s):

P302+352 IF ON SKIN: Wash with plenty of water
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy-to-do; continue rinsing
 P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

Complementary hazard information

No further information

2.3 Other hazards

No data available

3. Composition/information on ingredients

3.2 Mixtures

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Sodium Chloride	7647-14-5	231-598-3	-	50-55%	Not classified
Tris	77-86-1	201-064-4	-	5-20%	Not classified
Tris-HCl	1185-53-1	214-684-5	-	30-40%	Skin Irrit 2, H315 Eye Irrit 2, H319 STOT SE 3, H335
Potassium Chloride	7447-40-7	321-211-8	-	0-1%	Not Classified

For the full text of the H-statements: see section 16

4. First aid measures

4.1 Description of first aid measures

If swallowed	Rinse mouth with water; never give anything by mouth to an unconscious person; get medical attention
If inhaled	Move person to fresh air; if person is not breathing, give artificial respiration; get medical attention
In case of skin contact	Wash off with soap and plenty of water; remove contaminated clothes; get medical attention
In case of eye contact	Rinse immediately with plenty of water for at least 15 min; remove contact lenses if present and easy-to-do; get medical attention
General advice	Get medical attention; show this data sheet to the doctor in attendance

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: water spray, fog, foam or dry chemical powder

5.2 Special hazards arising from the substance or mixture

Sodium oxides, carbon oxides, hydrogen chloride gas

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting, if necessary

5.4 Further information

Product itself is not flammable

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation; avoid breathing dust; wear lab coat, safety goggles, suitable protective gloves and boots; wash hands before and after use

6.2 Environmental precautions

Do not let product enter drains

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6.3 Methods and material for containment and cleaning up

Sweep/shovel up spilled material and place it into a suitable waste disposal container; keep container tightly closed for disposal; finish cleaning by spreading water over the contaminated area and ventilate the room

6.4 Reference to other sections

For disposal: see section 13

7. Handling and storage**7.1 Precautions for safe handling**

Avoid dust formation; assure adequate ventilation where dust is formed; avoid contact with skin and eyes

7.2 Conditions for safe storage, including any incompatibilities

Store at room temperature in a well-ventilated area; use original container

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection**8.1 Control parameters**

No data available

8.2 Exposure controls**Appropriate engineering controls**

Use general hygiene procedures; use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits; if user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

Personal protective equipment

Eye/face protection	Wear safety goggles (EN 166)
Skin protection	Use proper lab gloves; gloves must be inspected prior to use
Body Protection	Wear lab coat or other impervious clothes; type of protection equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
Respiratory protection	If necessary, use dust respirator tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU)

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	white tablets (product: 09-7500) white powder (product: 12-9133, 12-9134)
Odour	no data available
Odour threshold	no data available
pH	7.6 or 8.0 at 25° C
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
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	completely soluble
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

9.2 Other information

No further information

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

Oxidizing agents

10.6 Hazardous decomposition products

In case of fire: sodium oxides, carbon oxides, hydrogen chloride gas

11. Toxicological information

11.1 Information on toxicological effects

11.1.2 Mixtures

Acute toxicity

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

No data available

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

Potential health effects

Inhalation	May be harmful if inhaled; causes respiratory tract irritation
Ingestion	May be harmful if swallowed
Skin	Causes skin irritation
Eyes	Causes serious eye irritation

12. Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. Offer surplus and non-recyclable solutions to a licensed disposal company. No mixing with other waste.

Contaminated packaging: dispose of as unused product

14. Transport information**14.1 UN-number**

ADR-RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR-RID

Not dangerous good

IMDG:

Not dangerous good

IATA:

Not dangerous good

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, water pollutant:

no

IATA:

no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

No data available

15.2 Chemical safety assessment

No data available

16. Other information

This information is based on the current state of knowledge.

Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use.

Text of H-phrases in section 3

Hazard statement(s)

H315

Causes skin irritation

H319

Causes serious eye irritation

H335

May cause respiratory irritation

Skin Irrit 2

Skin Irritation (category 2)

Eye Irrit 2

Eye Irritation (category 2)

STOT SE 3

Specific Target Organ Toxicity – single exposure (category 3)

