

# SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006  
 Generic EU MSDS – No country specific data  
 REVISION DATE: 2014-06-26

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

### 1.1 Product identifier

Product name: Tris-EDTA (TE) 10x, pH 7.4  
 Article number: 12-9154

### 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 as: Acute toxicity oral (category 4), H302  
 Skin Irritation (category 2), H315  
 Eye Irritation (category 2), H319  
 STOT SE (category 3), H335

### 2.2 Label elements

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



Signal word

Warning

Hazard statement(s)

H302 Harmful if swallowed  
 H315 Cause skin irritation  
 H319 Cause serious eye irritation  
 H335 Harmful if inhaled

Precautionary statement(s):

P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P301+312 IF SWALLOWED: Call POISON CENTER/doctor if you feel unwell  
 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

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)
Tris	77-86-1	201-064-4	-	15-20%	Not classified
Tris-HCl	1185-53-1	214-684-5	-	60-65%	Skin Irrit 2, H315 Eye Irrit 2, H319 STOT SE 3, H335
Na <sub>2</sub> EDTA x 2H <sub>2</sub> O	6381-92-6	205-358-1	-	20%	Acute Tox 4, H302

### 4. First aid measures

#### 4.1 Description of first aid measures

If swallowed	Rinse mouth with plenty of water; if person is unconscious, never give anything by mouth; get medical attention immediately
If inhaled	Move to fresh air, if person is not breathing, give artificial respiration; get medical attention
In case of skin contact	Wash thoroughly with soap and water; remove contaminated clothes; get medical attention
In case of eye contact	Wash immediately wash plenty of clean water for at least 15 min; remove contact lenses if present and easy-to-do; get medical attention
General advice	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, dry chemical and carbon dioxide

#### 5.2 Special hazards arising from the substance or mixture

Sodium oxides, carbon oxides

#### 5.3 Advice for fire fighters

Wear self- contained breathing apparatus for firefighting

#### 5.4 Further information

No further information

### 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 concentrated product enter drains

#### 6.3 Methods and material for containment and cleaning up

Sweep/shovel up spilled material 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, eyes and clothes

### 7.2 Conditions for safe storage, including any incompatibilities

Keep in a tightly closed container in a cool, dry and 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 powder
Odour	no data available
Odour threshold	no data available
pH	7.4 at 25°C (after dissolving in water)
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	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 data available

## 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

(Continued on page 4)

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

Bases, strong oxidizing agents

**10.6 Hazardous decomposition products**

In case of fire: sodium oxides, carbon oxides

**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 cause respiratory tract irritation
Ingestion	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

**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 must be disposed of in accordance with federal, state, and local environmental control regulations.

Contaminated packaging: dispose of as unused product

