



Material Safety Data Sheet

(Prepared according to 1907/2006/EC, Article 31)

Revision Date: 17-April-2014

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Product Details:

Trade Name: **Tris-Acetate-EDTA (TAE)**

Catalog Number	Size
BR0020	1 L (10x)

1.2 Company Details:

Canvax Biotech SL
Parque Científico-Tecnológico "Rabanales 21"
C/Astronoma Cecilia Payne,
Edif. Canvax
14014, Cordoba, SPAIN
TEL.:(+) 34957 348066
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1.3 Toxicological Information Service:

Emergency phone number: 112

For Research use only

2. CHEMICAL CHARACTERISATION

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Tris	77-86-1	201-064-4	-	75-80%	Not classified
Acetic Acid	64-19-7	200-580-7	-	15-20%	Skin Irrit 2, H315 Eye Irrit 2, H319
Na2EDTA x 2H2O	6381-92-6	205-358-1	-	5-6%	Acute Tox 4, H302



3. HAZARDS IDENTIFICATION

3.1 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

3.2 Label elements



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

Signal word Warning

Hazard statement(s)

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

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

3.3 Other hazards

No data available

4. FIRST AID MEASURES

4.1 Description of first aid measures

If swallowed: Rinse mouth with plenty of water; never give anything by mouth to an unconscious person; 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 clothing, get immediately medical attention

In case of eye contact: Wash thoroughly with plenty of clean water for at least 15 min, remove contact lenses if present and easy-to-do; get immediately 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. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: water spray, fog, foam, dry chemical powder, 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 goggle, 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; keep away from heat; avoid contact with skin, eyes and clothing

7.2 Conditions for safe storage, including any incompatibilities

Keep in tightly closed container in a 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: 8.1-8.5 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 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

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

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

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, 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. OTHER INFORMATION

This safety data sheet 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

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

Text of H-phras(e)s in section 3

H302 Harmful if swallowed

H315 Cause skin irritation

H319 Cause serious eye irritation

Acute Tox 4 Acute Toxicity (category 4)

Skin Irrit 2 Skin Irritation (category 2)

Eye Irrit 2 Eye Irritation (category 2)