

Material Safety Data Sheet**TLC Reference kit**Edition number 2
Date : 2009.07.30

Status Active

1. Identification of the substance and the supplier

Trade name TLC Reference kit

Formula Mixture of organic compounds.

Supplier Brenntag Biosector,
Elsenbakken 23
DK- 3600 Frederikssund -
Phone: (+45) 47 38 47 00

2. Information on the contents

Contents	Acceptable range
Appearance	Freeze-dried pellet in glass vial.
carbohydrates, carbohydrate-based organic acids and vitamins.	
Preservatives added	None

3. Hazards identification

People Not classified as dangerous

4. First aid precautions

Inhalation First aid:	Inhalation unlikely.
Skin contact First aid:	Harmful reactions unlikely.
Eye contact First aid:	May cause redness and irritation. Wash eyes immediately with large amounts of water for a minimum of 5 minutes. Remove contact lenses if relevant before rinsing. Seek medical attention if symptoms of irritation persist.
Ingestion First aid:	Ingestion of small amounts (1 vial) considered non-hazardous. Ingestion of large amounts of product unlikely. Seek medical attention.

5. Fire and explosion data

Fire fighting media Non-combustible

6. Precautions in case of accidental leakage

Spill procedures Rinse with water. No special precautions required.
Reference to section 13: Disposal

People Reference to section 8: Exposure control/personal protection equipment.

7. Handling and storage

Handling According to good industrial hygiene.

Storage Store in sealed packing.
Must be stored frozen after dissolution.
Avoid temperatures above 30 centigrades.

8. Exposure control/personal protection equipment

Technical precautions.

Protective equipment Clothing: Protective clothing is deemed not necessary.
Gloves: Protective gloves are deemed not necessary.
Eye protection: Appropriate eye protection is recommended.

9. Physical-chemical properties

Description/smell Light brownish to brownish freeze-dried pellet in glass vial. Smell : Neutral.

Mass density

PH Not applicable for freeze dried products

Solubility Soluble in water. Soluble in strong alkalines and acids.

Molecular weight N.A. (mixture of several molecular weights).

10. Stability and reactivity

Generally: Stable when stored lyophilized. Sensitive to microbial breakdown after dissolution and must be stored frozen after dissolution. Contains no preservatives.

**Circumstances/
Materials that should
be avoided:**

Avoid temperatures above 30 centigrades.
Strong acids or alkalines may damage contents by hydrolysis.

11. Toxical information on (health damaging characteristics)

Inhalation: Not likely

Skin contact: No harmful reactions foreseen.

Eye contact: May cause irritation of the eye and conjunctivitis.

Ingestion: Ingestion of larger quantities may cause uneasiness.

Long-term effects: None established

12. Environmental information

Generally: Soluble in water

Degradability Biodegradable (organic)

13. Disposal

Waste/ leftovers/spill Must be disposed of in accordance with the environmental regulations of the local authorities for biodegradable, non-toxic products.

14. Transport information

Status Not classified as dangerous goods at transport
A specific set of guidelines for transporters available upon request.

15. Information on adjustment

Status: Brenntag Biosector has concluded that the material is not affected by the rules for labelling issued by the Miljø- og Energiministeriet in Denmark.

16. Further information

Scope of application: The product is used as a reference kit and standards for thin layer chromatography.