

SUCROSE Reagent SUC-40 (20 Tests), SUC-100 (50 Tests)

EC-Material Safety Data Sheet (according 91/155/EWG)

1. Chemical identification of the preparation, and Contact information of the company

Product trading name: *SUCROSE Reagent*

Article number: SUC-40, SUC-100

Field of application: Food analysis

Date of issue: 2011-03-01

Date of revision:

Supplier: Unitech Scientific LLC AB

12026 Centralia Road, Suite H, Hawaiian Gardens, CA 90716

Information operations: 562 924-5150

Information in case of emergency: 562 924-5150

2. Composition/information on ingredients

The product described is a pure substance: no

Chemical Characterisation: see below

(Dangerous) Components: with the used amounts: none

Reagent 2- Designation: Zinc chloride Content [%]< 0.25 Kb 1: C

Kb 3: not appl.

CAS-No.: 7646-85-7 Risk reg. comp.: 7/8-28-45-60-61 Kb 2: N

CL Contains no risk components

3. Hazard identification

Based on the concentrations in the composition it is not a hazardous product in terms of directive 99/45/EC.

4. First aid measures

If inhaled: Remove to fresh air.

In case of skin contact: Flush with copious amount of water.

In case of contact with eyes: Flush with copious amount of water while separating the eyelids with fingers.

If irritations appear and persist call a physician.

If swallowed: Flush with copious amount of water. Call a physician.

5. Fire fighting

Extinguishing media: water, CO₂, foam, powder

6. Spillage, accidental release

Personal precautions: Avoid swallowing; do not store together with food.

Environment precautions: Avoid release into sewerage.

Procedures for clean-up/absorption: Sweep up with cellulose and hold for waste disposal.

7. Handling and storage

Handling: No special requirements

Storage: Dry. At +2°C to +10°C.

8. Exposure controls/personal protection

Threshold value for maintenance of industrial health and safety standards:

Application of minimum protective standards is mandatory.

Personal protection: Protection wear according to national laboratory regulations are sufficient for personal safety (coat, safety

goggles, shoes, disposable gloves (latex). Wash hands after finishing work.

9. Physical and chemical properties

Appearance - Reagent 2: solid

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Colour- Reagent 2: white

Reagent 2: white

Odor- Reagent 2: no data available

pH- Reagent 2: 7.8; CL: 7.0

Boiling point/-range: not determined

Flammability: not flammable

Explosive properties: not explosive

Vapour pressure: not determined

Relative density: not determined

Solubility in water: MDH/LDH/NADH-buffer and CL: water soluble

10. Stability and reactivity

Avoidable conditions: nothing known

Avoidable substances: nothing known

Dangerous decomposition products: nothing determined

Further declarations: none

11. Toxicological information

Toxicity data:

Zinc chloride (toxicological determining component)

LD₅₀ (oral, rat): 350 mg/kg

Further statements regarding the toxicological effects:

The components in the preparation are used in such low concentrations that with proper handling and use no toxicological effects are expected.

Further declarations: As for all chemicals, handle the product with care.

12. Ecological information

Ecotoxicological effects: Quantitative data of the ecological impact of this composition are not yet known.

Biological degradability: not known

Biological effects: Ecotoxicology: Zinc chloride

Fish: *Leuciscus idus* LC₅₀: 21 mg/l

Daphnia magna: LC₅₀: 12 mg/l

Referring to this data, the product should not get into environmental waters, sewage or soil. In case of accidental release flush or dilute with copious amounts of water.

13. Disposal considerations

Product: There are no uniform regulations for disposal of chemicals within the member states of the EC. Contact a licensed professional waste disposal service for dispose of this material. Observe all federal, state and local environmental regulations.

Packaging: Dispose according to the regulations of the public authorities. Contaminated packaging has to be treated like the composition. If not otherwise regulated by public authorities, non-contaminated packaging can be treated like household waste or brought to recycling procedures.

14. Transport information

Land transport: GGVS, GGVE, ADR, RID

class: ---

designation: ---

Inland ship transport: ADN, ADNR

class: ---

Ocean shipping transport: IMDG, GGVSee

class: ---

EmS: ---

MFAG: ---

designation: ---

Air transport: ICAO, IATA

class: ---

designation: ---

This product is not subject to current regulations for transportation of hazardous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).

15. Regulatory information

Indication following the EC directives:

Symbols: ---

Risk regulations: ---

Safety Regulations: ---

Note: This product must be labeled in accordance with EC directive 67/548/EEC and 99/45/EC.

16. Other information

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