

1 Identification of substance:· **Product details:**· **Product name:** K. F. Streptococcal Agar· **Catalog number:** 211313, 4311313· **Manufacturer/Supplier:**

Becton, Dickinson and Company

7 Loveton Circle

Sparks, MD 21152

Tel: (410) 771-0100 or (800) 638-8663

· **Information department:** Technical Services· **Emergency information:**

In case of a chemical emergency, spill, fire, exposure, or accident contact Becton, Dickinson and Company at (410)771-0100 or (800)638-8663, or ChemTrec at (800)424-9300.

2 Composition/Data on components:· **Chemical characterization**· **Description:** Mixture of the substances listed below with nonhazardous additions.· **Dangerous components:**

26628-22-8 sodium azide

0.5%

3 Hazards identification· **Hazard description:**

Xn Harmful

· **Information pertaining to particular dangers for man and environment**

R 22 Harmful if swallowed.

· **Classification system**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· **NFPA ratings (scale 0-4)**

Health = 2

Fire = 0

Reactivity = 0

4 First aid measures· **General information**

Symptoms of poisoning may even occur after several hours; therefore provide medical observation for at least 48 hours after the accident.

· **After inhalation** Supply fresh air; consult doctor in case of complaints.· **After skin contact** Immediately wash with water and soap and rinse thoroughly.· **After eye contact** Rinse opened eye for 15 minutes under running water. Then consult a doctor.· **After swallowing** Immediately call a doctor.

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Information for doctor Show this label (Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents**
CO2, extinguishing powder or water spray. Fight larger fires with water or alcohol resistant foam.
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:** Dispose contaminated material as waste according to item 13.
- **Additional information:**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:**
Store away from oxidizing agents.
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

· Components with limit values that require monitoring at the workplace:
26628-22-8 sodium azide
TLV 0.29 mg/m3, 0.11 ml/m3

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal Protective Equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:**
In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

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Protection of hands:


Chemical resistant gloves.

 · **Eye protection:** Safety glasses

 · **Body protection:** Protective work clothing (lab coat).

9 Physical and chemical properties:

- **Form:** Solid.
- **Color:** Light beige
- **Odor:** Characteristic

 · **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

 · **Flash point:** Not applicable

 · **Auto igniting:** Product is not selfigniting.

 · **Danger of explosion:** Forms very sensitive explosive metallic compounds.

 · **Density:** Not determined

 · **Solubility in / Miscibility with Water:**

Soluble

 · **Solvent content:**

 · **Solids content:** 100.0 %

10 Stability and reactivity

 · **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

 · **Dangerous reactions** Danger of explosion

 · **Dangerous products of decomposition:** Nitrogen oxides (NOx)

 · **Additional information:**

Sodium azide is present in this product. Contact with acidic solutions and metal compounds over time may form potentially explosive metal azides. Should any of this material be introduced into a sanitary sewer system, flush with copious amounts of water.

11 Toxicological information

 · **Acute toxicity:**

 · **LD/Lc50 values that are relevant for classification:**

26628-22-8 sodium azide

Oral LD50 27 mg/kg (rat)

 · **Primary irritant effect:**

 · **on the skin:** Irritant to skin and mucous membranes.

 · **on the eye:** Irritating effect.

 · **Sensitization:** No sensitizing effects known.

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Additional toxicological information:

Harmful

Irritant

The product shows the following dangers according to internally approved calculation methods for preparations:

California Proposition 65 - Warning: This product contains a chemical known to the State of California to cause cancer.

California Proposition 65 - Warning: This product is known to the State of California to cause birth defects, or other reproductive harm.

12 Ecological information:

Ecotoxicological effects:

Other information:

The ecological effects have not been thoroughly investigated, but currently none have been identified.

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

Product:

Recommendation

Must adhere to state and federal regulations.

Must not be disposed of with solid waste.

Disposal must be made according to the regulations found in 40 CFR 261.

Uncleaned packagings:

Recommendation: Disposal must be made according to state and federal regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

DOT regulations:

Hazard class: -

Land transport ADR/RID (cross-border)

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

15 Regulations

Product related hazard informations:

The product has been classified and marked in accordance with regulations on hazardous materials.

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· **Hazard symbols:**

Xn Harmful

· **Hazard-determining components of labelling:**

sodium azide

· **Risk phrases:**

22 Harmful if swallowed.

· **Safety phrases:**

2 Keep out of the reach of children.

13 Keep away from food, drink and animal feedingstuffs.

36 Wear suitable protective clothing.

46 If swallowed, seek medical advice immediately and show this container or label.

· **National regulations**

· **Additional classification according to Decree on Hazardous Materials:**

CERCLA: This product contains sodium azide and has a Reporting
Quantity (RQ) of 1,000 lbs.

SARA 311/312: Maybe subject to reporting.

313: Subject to reporting.

TSCA: This product exempt under TSCA.

16 Other information:

To the best of our knowledge, the information contained herein is accurate. However, neither Becton, Dickinson and Company or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

· **Department issuing MSDS:** Safety & Environment Department

· **Contact:** Technical Service Representative

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