

Date Prepared: 01/27/2007

Reviewed On: 01/08/2007

1 Identification of substance:

- **Product name:** *XL T4 Agar Supplement*
- **Catalog number:** 235310
- **Manufacturer/Supplier:**
BD Diagnostic Systems
7 Loveton Circle
Sparks, MD 21152
Telephone: (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 BD Diagnostic Systems 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:**

tergitol

27.0%

3 Hazards identification

· **Hazard description:**



C Corrosive

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

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 34 Causes burns.

· **Classification system**

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

· **HMIS ratings (scale 0-4)**

HEALTH	3	Health = 3
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

4 First aid measures

- **General information** Immediately remove contaminated clothing.
- **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** Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Information for doctor** Show this product label or this MSDS.

CDN

(Contd. on page 2)

Date Prepared: 01/27/2007

Reviewed On: 01/08/2007

Product name: XLT4 Agar Supplement

(Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:** No special measures required.
- **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:** 15 - 30 °C
- **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.
- **Protection of hands:**



Chemical resistant gloves (i.e. nitrile, or equivalent).

- **Eye protection:** Safety glasses

(Contd. on page 3)

Date Prepared: 01/27/2007

Reviewed On: 01/08/2007

Product name: XLT4 Agar Supplement

(Contd. of page 2)

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

9 Physical and chemical properties:

· General Information

Form:	Liquid
Color:	Light yellow
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 self igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined

· Solubility in / Miscibility with

Water: Soluble

· **pH-value:** 12.5 +/- 0.5

10 Stability and reactivity

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

· **Dangerous reactions** No dangerous reactions known

· Dangerous products of decomposition:

Carbon monoxide (CO) and carbon dioxide (CO₂)
Sulfur oxides (SO_x)

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

tergitol

Oral	LD50	1250 mg/kg (rat)
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· Primary irritant effect:

· **on the skin:** Caustic effect on skin and mucous membranes.

· **on the eye:** Strong caustic effect.

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

· Additional toxicological information:

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

Harmful

Corrosive (causes skin burns)

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

CDN

(Contd. on page 4)

Date Prepared: 01/27/2007

Reviewed On: 01/08/2007

Product name: XLT4 Agar Supplement

(Contd. of page 3)

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 I (Self-assessment): slightly hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed of with solid waste.
Must adhere to official regulations.
- **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:** 8
- **Identification number:** UN1760
- **Packing group:** III
- **Proper shipping name:** CORROSIVE LIQUID, N.O.S. (tergitol)
- **Label** 8

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 8 (C01) Corrosive substances
- **Danger code (Kemler):** 885
- **UN-Number:** 1760
- **Packaging group:** III
- **Description of goods:** 3267 Corrosive liquid, basic, organic, n.o.s. (7-ethyl-2-methyl-4-undecanol-sulfate sodiumsalt)

- **Maritime transport IMDG:**



- **IMDG Class:** 8
- **UN Number:** 1760
- **Label** 8
- **Packaging group:** III

(Contd. on page 5)

Date Prepared: 01/27/2007

Reviewed On: 01/08/2007

Product name: XLT4 Agar Supplement

(Contd. of page 4)

- **EMS Number:** F-A,S-B
- **Marine pollutant:** No
- **Proper shipping name:** CORROSIVE LIQUID, N.O.S. (tergitol)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 1760
- **Label** 8
- **Packaging group:** III
- **Proper shipping name:** CORROSIVE LIQUID, N.O.S. (tergitol)

15 Regulations

- **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

- **SARA Section 313 (specific toxic chemical listings)**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act)**

tergitol

- **California Proposition 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

- **California Proposition 65 - Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **California Proposition 65 - Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **California Proposition 65 - Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **Product related hazard information:**

This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR), and the MSDS contains all of the information required by the CPR.

- **Hazard symbols:**

C Corrosive

- **Hazard-determining components of labeling:**

tergitol

(Contd. on page 6)



Material Safety Data Sheet
acc. to ISO/DIS 11014

Date Prepared: 01/27/2007

Reviewed On: 01/08/2007

Product name: XLT4 Agar Supplement

(Contd. of page 5)

· Risk phrases:

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

34 Causes burns.

· Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36 Wear suitable protective clothing.

60 This material and its container must be disposed of as hazardous waste.

16 Other information:

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· Department issuing MSDS: Safety and Environment Department**· Contact:** Technical Service Representative

CDN