

## Material Safety Data Sheet

Printing date 09/27/2006

Reviewed on 09/27/2006

**1 Identification of substance:**

## · Product details:

· Trade name: ~~Proprietary Spills Control~~

· Catalog or product number: 641, 642, 640X

· Application of the substance / the preparation *In-vitro* laboratory reagent or component

## · Manufacturer/Supplier:

Bio-Rad Laboratories, Diagnostic Group  
9500 Jeronimo Road  
Irvine, California 92618-2017

1(949) 598-1200

· Information department: Technical services, customer support.

## · Emergency information:

1(800) 424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION, or ACCIDENT.

**2 Composition/Information on components:**

## · Chemical characterization:

## · CAS No. Description:

Human Source Material

## · Identification number(s):

· EINECS Number: 268-338-3

## · Additional information:

Contains human sourced and/or potentially infectious components.  
Contains added constituents of animal origin.

## · Chemical characterization

## · Listing of dangerous and non-hazardous components:

CAS: 50-70-4 EINECS: 200-061-5	D-glucitol	1.0-2.5%
CAS: 67-68-5 EINECS: 200-664-3 RTECS: PV 6210000	dimethyl sulfoxide	0.01-0.1%

**3 Hazards identification**

· Information pertaining to particular dangers for man and environment not applicable

## · Classification system

## · NFPA ratings (scale 0-4)

Health = 0

Fire = 0

Reactivity = 0

## · OSHA hazard ratings

· Health 0: Minimal Hazard.

· Fire 0: Minimal hazard.

· Reactivity 0: Minimal hazard.

· Special hazards Contains human sourced and/or potentially infectious components.

(Contd. on page 2)

## Material Safety Data Sheet

Printing date 09/27/2006

Reviewed on 09/27/2006

Trade name: Liquichek Lipids Control

(Contd. of page 1)

## \* 4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Rinse mouth with water. Seek medical attention and appropriate follow-up.
- **Information for doctor**
- **The following symptoms may occur:**
  - Skin irritation
  - Eye irritation
- **Medical conditions aggravated by exposure:** None expected.

## \* 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder 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:** Handle as potentially infectious.
- **Measures for environmental protection:**  
Keep contaminated washing water and dispose of appropriately.  
Dilute with plenty of water.
- **Measures for cleaning/collecting:**  
Clean the affected area carefully; suitable cleaners are:  
Disinfectant  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
- **Additional information:** No dangerous substances are released.

## \* 7 Handling and storage

- **Handling**
- **Information for safe handling:**  
No special measures required.  
No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** The product is not flammable
- **Storage**
- **Requirements to be met by storerooms and receptacles:** According to product specification
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

## \* 8 Exposure controls and personal protection

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

(Contd. on page 3)

QUS

## Material Safety Data Sheet

Reviewed on 09/27/2006

Printing date 09/27/2006

Trade name: Liquichek Lipids Control

(Contd. of page 2)

· Components with limit values that require monitoring at the workplace:

57-50-1 sucrose, pure

PEL 0 15\*; 5\*\* mg/m<sup>3</sup>  
\*Total dust \*\*Respirable fraction

REL 0 10\*; 5\*\* mg/m<sup>3</sup>  
\*Total dust \*\*Respirable fraction

TLV 0 10 mg/m<sup>3</sup>

26628-22-8 sodium azide

REL 0 Short-term value: C 0.3\*\* mg/m<sup>3</sup>, C 0.1\* ppm  
\*as HN3 vapor; \*\*as NaN3

TLV 0 Short-term value: C 0.29\*\* mg/m<sup>3</sup>, C 0.11\* ppm  
\*as HN3 vapor; \*\*as NaN3

· Additional information: The lists that were valid during the creation were used as basis.

- Personal protective equipment
- General protective and hygienic measures  
Follow the usual biosafety practices for handling potentially infectious materials.
- Breathing equipment: Not required.
- Protection of hands: Protective gloves.
- Material of gloves Synthetic gloves
- Penetration time of glove material  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses
- Body protection: Protective work clothing.

9 Physical and chemical properties

· General Information

Form: Liquid  
Color: Opaque  
Odor: Light

· Change in condition  
Melting point/Melting range: undetermined  
Boiling point/Boiling range: undetermined

· Flash point: Not applicable

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

· Density: Not determined

· Solubility in / Miscibility with  
Water: Fully miscible

· pH-value at 20°C: 8.0 - 8.4

· Organic solvents: 0.0 %

· Solids content: 2.5 - 10 %

(Contd. on page 4)

## Material Safety Data Sheet

Printing date 09/27/2006

Reviewed on 09/27/2006

Trade name: Liquichek Lipids Control

(Contd. of page 3)

## \* 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: No dangerous decomposition products known

## \* 11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritant effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
  - When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
  - The substance is not subject to classification according to the latest version of the EU lists.

## \* 12 Ecological information:

- General notes: Generally not hazardous for water.

## \* 13 Disposal considerations

- Product:
  - Recommendation: Dispose of waste in accordance to applicable national, regional, or local regulations. Hand over to hazardous waste disposers.
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official 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: -

- Transport/Additional information: Not dangerous according to the above specifications.

(Contd. on page 5)

## Material Safety Data Sheet

Printing date 09/27/2006

Reviewed on 09/27/2006

Trade name: Liquichek Lipids Control

(Contd. of page 4)

## 15 Regulations

## · SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)

## · Section 302/304 (40CFR355.30 / 40CFR355.40):

Substance not listed.

## · Section 313 (40CFR372.65):

Substance is not listed.

## · TSCA (Toxic Substances Control Act):

57-50-1 sucrose, pure

50-70-4 D-glucitol

7647-14-5 sodium chloride

144-55-8 sodium hydrogencarbonate

67-48-1 choline chloride

26628-22-8 sodium azide

7447-40-7 potassium chloride

## · Cancerogenity categories

## · EPA (Environmental Protection Agency)

Substance is not listed.

## · IARC (International Agency for Research on Cancer)

Substance is not listed.

## · NTP (National Toxicology Program)

Substance is not listed.

## · TLV (Threshold Limit Value established by ACGIH)

57-50-1 sucrose, pure

26628-22-8 sodium azide

A4

A4

## · MAK (German Maximum Workplace Concentration)

Substance is not listed.

## · NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

## · OSHA-Ca (Occupational Safety &amp; Health Administration)

Substance is not listed.

## · Markings according to EU guidelines:

Observe the general safety regulations when handling chemicals

The substance is not subject to classification according to EU lists and other sources of literature known to us.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

## · Safety phrases:

35 This material and its container must be disposed of in a safe way.

## · National regulations

· Water hazard class: Generally not hazardous for water.

QUS

(Contd. on page 6)

# Material Safety Data Sheet

Printing date 09/27/2006

Reviewed on 09/27/2006

Trade name: *Liquichek Lipids Control*

(Contd. of page 5)

## 16 Other information:

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· *Department issuing MSDS: Environmental Health and Safety.*

· *Contact:*

*Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547:  
1(510) 741-1000*

*Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547:  
1(510) 724-7000*

· *\* Data compared to the previous version altered.*

QUS