

IMPORTANT NOTICE CONCERNING MATERIAL SAFETY DATA SHEET/SAFETY DATA SHEET INFORMATION

Dear Valued Customer,

Sekisui Diagnostics (formerly Genzyme Diagnostics) is working to update all existing documentation in light of the change to our company name and corporate ownership. This includes the (Material) Safety Data Sheets ((M)SDSs) provided with our products.

The following contact information relative to (M)SDSs has changed effective immediately:

Corporate Headquarters:

Sekisui Diagnostics, LLC
31 New York Avenue
Framingham, MA 01701 USA
www.sekisuidiagnostics.com
Phone: 800-332-1042

Manufacturer:

Sekisui Diagnostics P.E.I. Inc.
70 Watts Avenue
Charlottetown, Prince Edward Island
C1E 2B9, Canada
www.sekisuidiagnostics.com
Phone: 800-565-0265

Emergency Telephone Numbers:

Americas: 1-760-476-3962
Europe, Middle East & Africa: +1-760-476-3961
Asia Pacific: +1-760-476-3960
Access Code: 333512

Please feel free to use the information provided above to contact us with any questions pertaining to (M)SDSs.



Genzyme Diagnostics P.E.I. Inc.
70 Watts Avenue, Charlottetown, PE Canada C1E 2B9
Tel: 800-565-0265 • 902-566-1396 • Fax: 902-628-6504
Email: sales@dclchem.com • techserve@dclchem.com • orders@dclchem.com
www.dclchem.com • www.genzymediagnosics.com

Material Safety Data Sheet

1 PRODUCT IDENTIFICATION AND USE

MANUFACTURER: Genzyme Diagnostics PEI Inc.
70 Watts Avenue
Charlottetown, P.E.I.
Canada C1E-2B9
+1-902-566-1396

PRODUCT NAME: Total Bilirubin L3K[®]
CATALOGUE NUMBER: 295-10, 295-30
PRODUCT USE: For the determination of total bilirubin in serum-plasma and neo-natal are also acceptable samples.
DATE OF MSDS PREPARATION: August 20, 2008
MSDS PREPARED BY: John Gabriel
EMERGENCY TELEPHONE NO.: 1- (902) 566-1396

2 COMPOSITION, INGREDIENT INFORMATION

<u>COMPONENT</u>	<u>CAS REGISTRY NUMBER</u>	<u>ACGIH TLV</u>
Total Bilirubin L3K[®] Accelerator Reagent (R1)		
Tetramethylene sulfone 7.6 % w/w	126-33-0	not established
Hydrogen chloride 0.68 % w/w	7647-01-1	C 2 ppm (STEL)
Total Bilirubin L3K[®] Diazo Reagent (R2)		
Hydrogen chloride 0.5 % w/w	7647-01-1	C 2 ppm (STEL)

3 HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:

R1 and R2 are corrosive. Physical and health hazard information on reagent mixtures have not been fully determined.

POTENTIAL HEALTH EFFECTS:

ROUTE OF ENTRY/EXPOSURE: EYE CONTACT: [X] SKIN CONTACT: [X] INHALATION: [X] INGESTION: [X]
SKIN ABSORPTION: [X]

EFFECTS OF ACUTE EXPOSURE TO PRODUCTS:

R1 and R2:
EYES: Reagents may cause burns.
SKIN: Reagents may cause burns.
INHALATION: Reagents may cause coughing and burns to mucous membranes and upper respiratory tract.
INGESTION: Reagents may cause digestive tract burns with abdominal pains.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:

EVIDENCE OF CARCINOGENICITY, TERATOGENICITY, REPRODUCTIVE TOXICITY, MUTAGENICITY: No constituents recognized by IARC, ACGIH, NTP or California Proposition 65 as carcinogenic. No human data on teratogenicity, embryo toxicity or mutagenicity.

4 FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes and obtain medical attention.
SKIN: In case of contact, immediately flush area with plenty of water. If irritation continues seek medical attention.
INHALATION: If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and obtain medical attention.
INGESTION: If ingested, drink plenty of fluids and obtain medical attention.

5 FIRE AND EXPLOSION HAZARDS

FLAMMABLE: No
FLASH POINT: not available
FLAMMABLE LIMITS (% in Air): Lower: not available. Upper: not available
EXTINGUISHING MEDIA: As appropriate for fires in surrounding materials.
FIREFIGHTING: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
AUTOIGNITION TEMPERATURE: not available
HAZARDOUS COMBUSTION PRODUCTS: not available
EXPLOSION DATA: Sensitivity to mechanical impact: not available. Sensitivity to static discharge: not available

6 ACCIDENTAL RELEASE MEASURES

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL: Ventilate the area. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material and place in waste container. Wash surrounding area. Dispose of spilled and contaminated material in accordance with federal, provincial, state, and local regulations.

7 HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

STORAGE REQUIREMENTS: 2-8 °C

INCOMPATIBILITIES: not available

HAZARDOUS DECOMPOSITION PRODUCTS: not available

8 EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust not required under normal circumstances.
PERSONAL PROTECTIVE CLOTHING (PPE): safety glasses with side-shields, lab coat, rubber nitrile or other impermeable gloves.
RESPIRATORY PROTECTION: none required.
EXPOSURE LIMITS: not available

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: R1 and R2 are liquids
COLOR: R1 is clear and colorless; R2 is clear with a slight peach color.
ODOR: R1 has a moderate sulfidic odor; R2 is odorless.
ODOUR THRESHOLD: not available
MELTING POINT: not available
BOILING POINT: not available
SPECIFIC GRAVITY: R1 = 1.047; R2 = 1.008
VAPOUR PRESSURE: not available
VAPOUR DENSITY: not available
WATER SOLUBILITY: soluble
EVAPORATION RATE: not available
pH at 25 °C: R1 = 1.0-1.4; R2 = 0.7-1.1
COEFFICIENT OF OIL/WATER DISTRIBUTION: not available

10 STABILITY AND REACTIVITY

STABILITY: Stable
POSSIBLE HAZARDOUS REACTIONS/CONDITIONS: not available
CONDITIONS TO AVOID: not available
MATERIALS TO AVOID: not available
HAZARDOUS DECOMPOSITION PRODUCTS: not available.

11 TOXICOLOGICAL INFORMATION

Tetramethylene sulfone:
LD50: 1540 uL/kg mg/kg, oral rat
LC50: not available

Hydrogen chloride:
LD50: 900 mg/kg, oral rabbit
LC50: 3124 ppm/1H, inhalation rat

SENSITIZATION TO PRODUCT: not available
NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: not available
IRRITANCY OF PRODUCT: not available
EVIDENCE OF CARCINOGENICITY, TERATOGENICITY, REPRODUCTIVE TOXICITY, MUTAGENICITY: no data available

12 ECOLOGICAL INFORMATION

not available

13 DISPOSAL CONSIDERATIONS

RECOMMENDATION FOR DISPOSAL OF UNUSED PRODUCT: Observe all federal, provincial, state and local regulations. If solutions containing sodium azide are drain disposed, dilute and flush with a copious amount of running water to prevent azide build-up (See Section 3).

RECOMMENDATION FOR DISPOSAL OF PACKAGING: Observe all federal, provincial, state and local regulations.

14 TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION:

R1 and R2:

UN1789, Hydrochloric acid solution, Class 8, Packing Group II

15 REGULATORY INFORMATION

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

R1 and R2:

RISK PHRASES: R20/21/22 Harmful by inhalation, in contact with skin and if swallowed
R34 Causes burns

SAFETY PHRASES: S26 In case of contact with eyes, rinse immediately with plenty of water
S35 This material and its container must be disposed of in a safe way
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S45 In case of accident or if you feel unwell, seek medical advice immediately

16 OTHER INFORMATION

The information provided on this Material Safety Data Sheet is provided in the interest of promoting safe handling of the material. While this information is believed to be correct, Genzyme Diagnostics PEI Inc. makes no warranty in respect to any of the information disclosed. Observe all federal, provincial, state and local laws concerning health and the environment.

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