

EPICENTRE TECHNOLOGIES
726 Post Road, MADISON WI 53713
Tel: 608-258-3080 or 800-284-8474

MATERIAL SAFETY DATA SHEET

Effective 9/02

Section I: Product Identification

Product name(s): Stop/Loading Buffer; Stop/Gel Loading Buffer, Stop/Loading Buffer for SequiTherm™ EXCEL™ II Kit, Stop/Loading Buffer for SequiTherm™ EXCEL™ II Long-Read LI-COR® Kit, Stop/Loading Buffer for Li-COR® Long Read Kit; Stop/Loading Buffer for Long Read Kit; Stop/Loading buffer for SequiTherm™ Kit; Stop/Loading Buffer for IsoTherm™ Kit, Stop Loading Buffer for SequiTherm™ EXCEL™ Kit, Stop/Loading Buffer for SequiTherm™ EXCEL™ Long-Read Li-COR kit, Stop/Loading Buffer (SequiTherm™ EXCEL™-LC), Stop/Loading Buffer (SequiTherm™ EXCEL II Premix-LC), Stop/Loading Buffer (SequiTherm™ EXCEL II Premix- ALF™), Stop/Loading Buffer for SequiTherm™ Long-Read™ Kit-LC with LI-COR® M13 Reverse Primer, Stop/Loading Buffer for SequiTherm™ Long-Read™ Kit-LC with Li-COR® M13 Forward Primer Stop/Loading Buffer (Bess T-Scan™ Mutation Detection and Localization Kit), Stop/Loading Buffer for BESS G-Tracker™ Mutation Detection and Localization Kit, BESS MutaScan™ Mutation Characterization Kits, BESS MutaScan™ Mutation Characterization Kit with G-Tracker™ Beta Test System, Stop/Loading Buffer for BESS-T™, BESS-G™ and BESS-T&G™ Base Reader Kits, Alkaline Stop Solutions for End or Internal labeling IsoTherm™ Kits and Stop/Loading Buffer for SequiTherm™ EXCEL™ II DNA Sequencing Kits-LC for 66-cm gels and for 25-41 cm gels.

Catalog Numbers: S20020, S20050, S20100, S36100, S36100 LC, S59100LF, S59100LR, BK2050, BK2100, S6501S, S6502L, S65025, SF81015, BE73100, BN712100, BL9100, BL9500, BL901K, BK59050E, BK59100E, BK5950I, BK5100I, BTG8520, BTG85100, GT85100, SA85025, SEK6020, SEK6050, SEK6100, SE6100LC, SE8301A, SEM79020, SEM79050, SEM79100, SEP701LC, SEP7901A, SE7701LC, SE6100LF, SE6100LR, SE7701LF, SE7701LR, SE9202LC, and SE9101LC.

Section II: Hazardous Ingredients

<u>Component</u>	<u>CAS No</u>	<u>% Wt</u>	<u>TLV-TWA</u>
Formamide	75-12-7	95	10 PPM

Section III: Physical data

Solubility: Soluble in water Boiling point: 210°C Vapor Pressure: 29.7 mM at 129°C

Appearance: STOP/LOADING Buffer is one of several vials contained in the kits named above and the only component in Stop/Loading Buffer. The Stop/Loading Buffer is a dark blue/red/or cranberry colored liquid, whereas the contents of the other vials are all clear, colorless liquids.

Section IV: Fire and Explosion Data

Flash Point 154°C for 100% formamide
 Extinguishing Media Water, CO₂, Dry chemicals
 Fire fighting Procedures Wear self contained, breathing apparatus and protective clothing

Section V: Health Hazard Data

Effects of overexposure:

Irritates skin, eyes and mucous membranes	Has caused embryotoxicity and birth defects in animal studies.
May cause corneal clouding.	May be absorbed through skin.
May cause liver damage.	Denatures proteins.
Listed in RTECS under LQ0525000	LD50 oral rat: 5.57 g/kg
LD50 ipr rat: 5.7 g/kg	

Emergency and first aid information:

Remove from exposure. Flush from skin or eyes for at least 15 minutes with water. If irritation is evident or if ingested or inhaled, seek medical advice immediately.

Section VI: Reactivity Data

Stability..... Stable. Store in cold. Avoid repeated freeze/thaw cycles
Incompatibility Strong oxidizing agents, acids, bases
Hazardous decomposition products CO, CO₂, Nitrogen oxides
Hazardous polymerization No information available

Section VII: Spill and Disposal Information

Spills:

Wear appropriate, protective clothing. Dike material with a suitable inert absorbent. Place in waste container. Avoid contact with skin and eyes.

Disposal:

Dispose of material in accordance with appropriate federal, state and local laws.

Section VIII: Special Protection Data

Respiratory protection:

A qualified industrial hygienist should evaluate the need for respiratory protection. Use appropriate respiratory protection approved by NIOSH.

Ventilation:

Mechanical (general) or local exhaust as needed.

Personal Protective Equipment:

Protective gloves, safety glasses or goggles, and lab coat are recommended. Access to safety shower and eyewash.

Note: Women of child-bearing age should minimize contact and exposure to STOP/LOADING BUFFER.

The information herein is based on data and tests believed to be reliable, however, *EPICENTRE* makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. This document is offered solely as a guide for the customer's consideration, investigation and verification. These suggestions do not replace state, municipal and/or insurance requirements. Any use of this information must be determined by the user to be in accordance with applicable Federal, state and local regulations.