

EPICENTRE Biotechnologies
726 Post Road, MADISON WI 53713
Emergency Tel: 608-258-3080 or 800-284-8474 8:00 AM-4:30 PM Central Time
MATERIAL SAFETY DATA SHEET
Effective: 8/2010

Section 1: Chemical Identification

BAC Autoinduction Solution as a component of several kits BAC96066, BAC96066HT, BAC96116or sold separately as AIS107B:

CopyControl™ Autoinduction Solution as a component of several kits BAC96066, BAC96066HT, BAC96116or sold separately AIS107F.

CopyControl™ Fosmid Autoinduction Solution as a component of FOS84596

Section 2: Composition and Information on Hazardous Ingredients

<u>Component</u>	<u>% Wt</u>
Proprietary	10-20

Section 3: Hazards Identification

Emergency Overview

Appearance: solution containing dissolved white powder

Caution! Powder form may cause eye and skin irritation. May cause respiratory and digestive tract irritation. Toxicological properties of this material have not been fully investigated.

Target Organs: Persons with impaired kidney function may be more susceptible to substance's effects. May affect heart.

Potential Health Effects

Eye: Slight irritation in case of contact.

Skin: Not available

Ingestion: Not available

Inhalation: May cause slight irritation.

Chronic exposure: Not available

Carcinogenic, Tetratogenic, Mutagenic Effects and Developmental Toxicity not available.

Section 4: First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15-20 minutes, occasionally lifting upper and lower eyelids. Obtain medical assistance. Remove contact lenses before treatment.

Skin: Obtain medical assistance. Flush skin with plenty of water for at least 15-20 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Obtain medical assistance. Do **not** induce vomiting unless directed by medical personnel. If conscious and alert, rinse mouth and drink 2-4 cupfuls water. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical assistance.

Section 5: Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand mode, MSHA/NIOSH (approved or equivalent), and wear full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution.

Combustion products include: CO and CO₂

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistance foam. Use agent most appropriate to extinguish the fire.

May be combustible at high temperature.

Auto-ignition temperature: N/A

Not considered an explosion or fire hazard.

Explosion Limits, Lower and Upper: Not available

No Special Remarks Available for fire or explosion hazards.

Section 6: Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions given in Section 8. If liquid evaporates, avoid dusty conditions. Provide ventilation. Follow local, regional and national disposal regulations and requirements. Avoid direct contact with skin or eyes. Store solution as directed, away from heat according to instructions and away from incompatible reagents.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a tightly closed container. Avoid heat. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8: Exposure Controls/Personal Protection

Engineering controls: Facilities storing or using this material should be equipped with an eyewash facility and safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure limits: No OSHA Final or vacated PELS, not NIOSH or ACGIH listed. Avoid repeated exposure. Chronic exposure

Respiratory protection: Follow respirator rules 29CFR1910.134, European Standard EN149 or other appropriate standard. Use a NIOSH/MSHA or European EN 149 approved respirator if irritation or other symptoms are experienced.

Personal Protective Equipment: Wear appropriate clothing and gloves to prevent skin exposure. Wear protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29CFR1910.133 or EN 166.

NFPA rating: Health =1 Fire = 1 Reactivity = 0

Section 9: Physical and Chemical Properties

Physical state: liquid; dissolved powder

Appearance: Clear colorless solution

Odor: not available

pH: Not available

vapor pressure and density: Not available

Volatility: Not available

Evaporation rate: Not available

Boiling point: compound decomposes

Decomposition temperature: Not available

Section 10: Stability and Reactivity

Stability: Stable

Incompatibility: Not available

Corrosivity: Non-corrosive to glass

Hazardous decomposition products: Emits CO and CO₂ upon decomposition/combustion

Hazardous polymerization: Not available

Section 11: Toxicological Information

RTECS#: Not applicable

No LD50/LC50 data available

Slightly hazardous in case of inhalation of powder.

Chronic effects on humans not available.

Toxicity to humans and animals not available.

Section 12: Ecological Information

Ecotoxicity: No information available.

BOD and COD: Not available.

Biodegradation products: Hazardous degradation products may occur long term. Short term not expected.

Products of degradation are more toxic than compound.

Section 13: Disposal Considerations

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

Section 14: Transport Information

No special considerations are known. Not a DOT/IATA controlled material.

Section 15: Regulatory Information

Not considered highly hazardous by OSHA

Exposure limits not established

Listed in TSCA 8(b) Inventory:

DSCL: not classified

SARA 302: No RQ or TPQ

SARA 313: Not categorized or listed.

RCRA: N/A

Canadian WHMIS: Not controlled

Not on CA, PA, MN, MA, FL, or NJ State lists.

Not listed in California Prop 65.

Safety phase: avoid contact with skin and eyes.

HMIS rating: Health: 1 Fire: 1 Reactivity: 0

NFPA: Health: 1 Fire: 1 Reactivity: 0

Not a Class 1 or Class 2 chemical per CSCL.

Section 16: Other Information

The information herein is based on information from suppliers 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.