

EPICENTRE BIOTECHNOLOGIES
726 Post Road, MADISON WI 53713
Emergency Tel: 608-258-3080 or 800-284-8474 7:30-4:30 Central
MATERIAL SAFETY DATA SHEET
Effective: 8/2010

Section 1: Chemical Identification

PCR-Lyse™ Solution as a component of FS0322H.

Section 2: Composition and Information on Hazardous Ingredients

<u>Component</u>	<u>% Wt</u>
Proprietary ingredient	25-35

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.

Potential Health Effects

May cause eye, skin, digestive tract and respiratory tract irritation. The toxicological properties have not been fully identified. 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.

Notes to Physician: Treat symptomatically and supportively.

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.

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

Flash point, Flammable Limits: Not available

Autoignition temperature: Not available

Explosion Limits, Lower and Upper: Not available

May be combustible at high temperature: 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: Vacuum or sweep up material and place into a suitable disposal container. 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.

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.

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.

Section 9: Physical and Chemical Properties

Physical state: liquid; dissolved powder

Appearance: Clear viscous solution

Section 10: Stability and Reactivity

Stability: Stable under normal temperatures and pressures

Incompatibility: excess heat, strong oxidants, reacts mildly with alkalis

Hazardous decomposition products: nitrogen oxides, carbon monoxide, irritation and toxic fumes and gases, carbon dioxide.

Hazardous polymerization: Will not occur.

Section 11: Toxicological Information

LD50: SCU-MUS 8 g/kg ABMGAJ 3, 28, 1959 Toxic effects may include convulsions or effect on seizure threshold

LC50: Not available

Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

No information found for epidemiology, teratogenicity, reproductive effects, and mutagenicity.

Section 12: Ecological Information

Ecotoxicity: No information available.

BOD5 and COD: Not available.

Products of Biodegradation: Possible hazardous long term degradation may occur.

Biodegradation Product Toxicity: Degradation products are more toxic.

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/IMG controlled material.

Section 15: Regulatory Information

Listed on TSCA Inventory.

TSCA Section 8b inventory. Yes

Not considered highly hazardous by OSHA Exposure limits not established

SARA 302: Does not have an RQ or TPQ

SARA 313: Not reportable

RCRA: N/A

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

Not listed in California Prop 65; no significant risk level.

Safety phase: avoid contact with skin and eyes.

NFPA: Health 2; Flammability: 1; Reactivity: 0; Specific Hazard: N/A

HMIS (USA) Health Hazard: 2; Fire Hazard: 1; Reactivity: 0; Personal Protection: E

Canada- Not controlled under WHMIS.

OEL=MAK NOHS 1974: HZD 80382; NIS 3; TNF 112; NOS 10; TNE 3807; NOES 1983: HZD 80382; NIS 11; TNF 204; NOS 23; TNE 4634; TFE 2460.

Section 16: Other Information

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