

MATERIAL SAFETY DATA SHEET_____

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PRODUCTS: OPA Diluent for Amino Acid & Glyphosate Analysis

Cat. No. OD104 & GA104

Section I – General

CAS #: [12045-78-2]

FORMULA: $K_2B_4O_7$

CHEMICAL NAME: Potassium borate

SYNONYMS: Potassium tetraborate

CHEMICAL FAMILY: Aqueous alkali

Section II – Hazardous Ingredients

1: Not hazardous; contains < 4% wt potassium borate

Section III – Physical Data

MELTING POINT: Not applicable

BOILING POINT: 100°C (approximately)

VAPOR PRESSURE: < 17 mm Hg @ 20°C

% VOLATILITY BY VOLUME: 96+%

APPEARANCE: Clear solution

ODOR: Odorless

SOLUBILITY: Aqueous solution

Section IV – Toxicity Data

RTECS #: Not available

RTECS NAME: Not available

REVIEWS: Not available

Section V – Health Hazards and First Aid

ACUTE EFFECTS: Will irritate skin, eyes, and mucous membranes.

CHRONIC EFFECTS: Not established

EYE CONTACT: Flush with plenty of water for at least 15 minutes; assure adequate flushing by separating eyelids with fingers. Get medical attention.

SKIN CONTACT: Rinse with 1% acetic acid to neutralize, followed by water.

INHALATION: Not applicable

INGESTION: Give water freely and/or 1% acetic acid, followed by milk. Get medical attention.

Section VI – Fire and Explosion Hazards

FLASHPOINT: Not flammable
EXTINGUISHING MEDIA: Water spray
FIREFIGHTING PROCEDURE: Not applicable
UNUSUAL HAZARDS: None
EXPLOSIVE PROPERTIES: Not explosive

Section VII – Reactivity

GENERAL: Stable
INCOMPATIBILITIES: Primary and secondary amines will cause non-hazardous deterioration of this solution.
HAZARDOUS COMBUSTION OR
DECOMPOSITION PRODUCTS: Will not occur.

Section VIII – Spill or Leak Procedures

SPILL PROCEDURE: Wear eye protection and rubber gloves. Neutralize spill with diluted acetic acid. Soak up spill with rags, paper towels, sponge; rinse away or discard. Clean spill-area thoroughly with water.
WASTE DISPOSAL: This solution may be sent to an EPA-approved waste disposal facility. Comply with all federal, state, and local regulations.

Section IX – Precautions for Handling and Storage

SAFETY EQUIPMENT: Chemical safety goggles, laboratory coat, rubber gloves, safety-shower with eye-wash.
HANDLING PROCEDURES: Avoid eye and skin contact. Do not ingest. Wear safety glasses and gloves.
STORAGE PROCEDURES: Store at room temperature.

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