

MATERIAL SAFETY DATA SHEET

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PRODUCTS: Diluent for NaOCl Post-column Reagent in Glyphosate Analysis

Cat. No. GA116

Section I – General

CAS #: KH_2PO_4 [7778-77-0]; NaCl [7647-14-5]

FORMULA: See below

CHEMICAL NAME: Potassium phosphate, monobasic; sodium chloride

SYNONYMS: Potassium dihydrogen phosphate

CHEMICAL FAMILY: Aqueous salt solution

Section II – Hazardous Ingredients

- 1: Not hazardous; contains < 0.2% (wt/v) each of the following ingredients:
 KH_2PO_4 ; NaCl

Section III – Physical Data

MELTING POINT: Not available

BOILING POINT: 100°C (approximately)

VAPOR PRESSURE: < 17 mm Hg @ 20°C

% VOLATILITY BY VOLUME: 96+%

APPEARANCE: Clear, odorless solution

SOLUBILITY: Aqueous solution

Section IV – Toxicity Data

RTECS #: NaCl: VZ4725000; not available for potassium phosphate, monobasic

RTECS NAME: Sodium chloride

REVIEWS: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data are presented here. Refer to actual entry in RTECS for complete information.

Section V – Health Hazards and First Aid

ACUTE EFFECTS: May cause minor skin irritation.

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: Wash with soap and water.

INHALATION: Not applicable

INGESTION: Rinse mouth with water insuring rinse is not swallowed. Drink 2 glasses of water to dilute and induce vomiting by touching finger to back of victim's throat. 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 contamination of this solution.
HAZARDOUS COMBUSTION OR
DECOMPOSITION PRODUCTS: Will not occur.

Section VIII – Spill or Leak Procedures

SPILL PROCEDURE: Wear eye protection and rubber / latex / vinyl gloves. Soak up spill with rags, paper towels, sponge; rinse away or discard. Clean spill-area thoroughly with soap and 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 / latex / vinyl 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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