

-----MATERIAL SAFETY DATA SHEET-----

Control Wizard Products

PH 7 Calibrating Standard

CONTROL WIZARD PRODUCTS 9220 SE STARK ST. PORTLAND, OR 97216
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-----SUBSTANCE IDENTIFICATION-----

SUBSTANCE: ---pH 7.00 Calibrating Standard---

Trade names/synonyms: This material is also known by various catalog numbers: NT700, NT705.

Cercla ratings (scale 0-3): health=0 fire=0 reactivity=0 persistence=0

Nfpa ratings (scale 0-4): health=0 fire=0 reactivity=0

SARA Title III (§ 313) Not Available.

-----COMPONENTS AND CONTAMINANTS---

Component: potassium phosphate, monobasic CAS# 7778-77-0 percent: <1.0

Component: sodium phosphate, dibasic CAS# 7558-79-4 percent: <0.2

Component: water CAS# 7732-18-5 percent: >98.

Other contaminants: none

Exposure limits:

No occupational exposure limits established by osha, acgih or niosh.

-----PHYSICAL DATA-----

Description: clear, colorless liquid which may be color coded for user convenience according to pH.

Approx. boiling point: 212°F (100°C). **Approx. melting point:** 32°F (0°C)

Vapor pressure: 14 torr @20°C **Evap. Rate: (ether=1)** >1

pH: 7.0 **Solubility in water:** complete **Vapor density:** 0.7 (H₂O)

-----FIRE AND EXPLOSION DATA-----

Fire and explosion hazard: negligible fire hazard when exposed to heat or flame.

Flash point: not applicable

A media: dry chemical, carbon dioxide, water spray or regular foam. (1990 emergency response guidebook, dot p-5800.5) For larger fires, use water spray, fog or regular foam. (1990 emergency response guidebook, dot p-5800.5)

A: Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal. (1990 emergency response guidebook, dot p-5800.5 Pg. 31) Use agents suitable for the type of surrounding fire. Avoid breathing hazardous vapors, stay upwind of the fire.

-----TOXICITY-----

potassium phosphate, monobasic; sodium phosphate, dibasic:

Carcinogen status: none.

Local effects: irritant - inhalation, skin, eye.

Acute toxicity level: no data available.

Target effects: no data available.

medical conditions agravated by exposure: no data available.

-----HEALTH EFFECTS AND FIRST AID-----

INHALATION:

SODIUM & POTASSIUM PHOSPHATE:IRRITANT.

ACUTE EXPOSURE - MAY CAUSE IRRITATION.

CHRONIC EXPOSURE - REPEATED OR PROLONGED EXPOSURE MAY CAUSE IRRITATION.

FIRST AID - REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. KEEP PERSON WARM AND AT REST. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT:

SODIUM & POTASSIUM PHOSPHATE:IRRITANT.

ACUTE EXPOSURE - MAY CAUSE IRRITATION.

CHRONIC EXPOSURE - REPEATED OR PROLONGED EXPOSURE MAY CAUSE DERMATITIS.

FIRST AID - REMOVE CONTAMINATED CLOTHING AND SHOES IMMEDIATELY, WASH AFFECTED AREA WITH SOAP OR MILD DETERGENT AND LARGE AMOUNTS OF WATER UNTIL NO EVIDENCE OF CHEMICAL REMAINS (APPROXIMATELY 15-20 MINUTES). GET MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT:

SODIUM & POTASSIUM PHOSPHATE:IRRITANT.

ACUTE EXPOSURE-DIRECT CONTACT MAY CAUSE IRRITATION, REDNESS AND PAIN.

CRONIC EXPOSURE-REPEATED OR PROLONGED EXPOSURE MAY CAUSE CONJUNCTIVITIS

FIRST AID - WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER OR NORMAL SALINE, OCCASIONALLY LIFTING UPPER AND LOWER LIDS UNTIL NO EVIDENCE OF CHEMICAL REMAINS (APPROXIMATELY 15-20 MINUTES). GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION

SODIUM & POTASSIUM PHOSPHATE:IRRITANT.

ACUTE EXPOSURE - MAY CAUSE NAUSEA, VOMITING AND DIARRHEA.

CRONIC EXPOSURE - NOT REPORTED TO OCCUR IN HUMANS

FIRST AID - IF VICTIM IS CONSCIOUS, IMMEDIATELY GIVE 2-4 GLASSES OF WATER, AND INDUCE VOMITING BY TOUCHING FINGER TO BACK OF THROAT, GET MEDICAL ATTENTION IMMEDIATELY.

-----REACTIVITY-----

Reactivity: stable under normal temperatures and pressures.

Incompatibilities: none known.

Decomposition: none known.

Polymerization: none known.

-----STORAGE AND DISPOSAL-----

Observe all federal, state and local regulations when storing or disposing of this substance. For assistance, contact the district director of the environmental protection agency.

Storage conditions to avoid: store away from incompatible substances.

Water spills: The California safe drinking water and toxic enforcement act of 1986 (prop 65) prohibits contaminating any known source of drinking water with substances known to cause cancer and/or reproductive toxicity.

Occupational spill: Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent materials and place into clean, dry containers for later disposal.

-----PROTECTIVE EQUIPMENT-----

When using, wear eye protection to prevent contact.