

MATERIAL SAFETY DATA SHEET

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MSDS-0130
CONDUCTIVITY
SOLUTIONS
08/05/96

PART NO.: CDS-45, -450, -1500, -4500

SECTION 1 - HAZARDOUS INGREDIENTS/ IDENTITY INFORMATION

Name: CONDUCTIVITY STANDARD SOLUTION SYN: (none)
DOI: (none)

COMPONENTS: CAS: FORMULA/F.WT.
(1) potassium chloride, 0.0744% 7447-40-7 KCL / 74.56
(2) water, >99%

CERCLA RATING (0-3): Health-0 Fire-0 Reactivity-0 Persistence-0
NFPA RATING (0-4): Health-n/a Fire-n/a Reactivity-n/a

SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling pt.: 212F
Melting pt.: 32F
SP gravity: 1.0
Evaporation rate: >ether
Vapor press: 14mmHg @ 20C
Vapor density: 0.7 (water)
pH: n/a
Appearance/Odor: clear colorless solution - odorless
Solubility: water-completely soluble

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash pt: non-flammable Explosion level-lower (LEL): n/a
-upper (UEL): n/a Autoignition: n/a
Extinguishing Media: dry chemical, carbon dioxide, water
spray or foam
Fire fighting: avoid breathing vapors and dusts

SECTION 4 - REACTIVITY DATA

Stability: stable at normal temperatures and pressures
Condition to avoid: incompatibles-none known
Hazardous Decomposition/Byproducts: n/a
Hazardous Polymerization: not known to occur

SECTION 5 - HEALTH HAZARD DATA

Toxicity: potassium chloride solutions of less than 1% have not
been investigated for toxicity
Carcinogenicity: none reported

Exposure limits: (none established)

OSHA-PEL: ACGIH-TWA: -STEL: TLV CEILING:
IDLH: OTHER:

Acute Health hazards: no toxic effects reported from inhalation
or skin exposure. May be an eye, skin and gastrointestinal tract
irritant.

Chronic Health Hazards: no effects reported

First aid:

Inhalation: maintain respiration, get medical aid if necessary.
Keep victim warm, at rest.

Skin: wash area with soap and water after removing contami-
nated clothing. Get medical aid if necessary.

Eyes: immediately flush with water, lifting upper, lower lids
occasionally until chemical is gone (approximately 15-20
minutes). Get medical aid.

Ingestion: do not induce vomiting. Get medical aid at once.

SECTION 6 - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills or Leaks: no special precautions required. Small spills
may be washed down or absorbed with an inert absorbent
(vermiculite, distomaceous earth) and scoop into container for
later disposal

Disposal: dispose in accordance with Federal, State and local
laws

Storage and handling: store capped at room temperature, pro-
tect from water reactive materials such as oleum and sodium.

SECTION 7 - CONTROL MEASURES

Respiratory Protection: non required for normal laboratory use.
General dilution or local exhaust ventilation are adequate.
Respirators are not required for laboratory use of this material.

Protective Clothing and Equipment: gloves, splash-proof gog-
gles recommended. Do not wear contact lenses when working
with chemicals.

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