

Vernier Software & Technology

Material Safety Data Sheet (MSDS)

Section 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Vernier ORP Reference Electrode Ag/AgCl Gel

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Section 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Silver chloride
Synonym: silver chloride
Formula: AgCl
CAS#: 7783-90-6

Glycols, polyethylene, mono (P-(1,1,3,3-tetramethyl butyl)phenyl) ether
Formula: (CH₃)₄(C₄H₈)C₆H₅O
CAS#: 9002-93-1

Water >78%
Formula: H₂O
CAS#: 7732-18-5

Potassium nitrate 17%
Formula: KNO₃
CAS#: 7757-79-1

Potassium chloride 5%
Formula: KCl
CAS#: 7447-40-7

Section 3 — HAZARDS IDENTIFICATION

Colorless, odorless, gelatinous liquid. Mildly irritating to skin, eyes, and mucous membranes.

Section 4 — FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.
Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.
Eye: Immediately flush with fresh water for 15 minutes.
External: Wash continuously with fresh water for 15 minutes.
Internal: Give large quantities of water. Call a physician or poison control at once.

Section 5 — FIRE FIGHTING MEASURES

Non flammable, non combustible liquid.

NFPA Code: None established

Section 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area and ventilate area. Dilute with water and cover with soda ash, mix and scoop into a glass container of water. See Sections 8 and 13 for further information.

Section 7 — HANDLING AND STORAGE

Store at room temperature and keep cap tightly sealed to protect product integrity.

Section 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

pH Storage Solution (cont.)

Section 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless, odorless liquid.

Specific Gravity: 1.0

Section 10 — STABILITY AND REACTIVITY

Avoid heat.

Shelf life: Fair

Section 11 — TOXICOLOGICAL INFORMATION

Acute effects: mild irritant

Chronic effects: N.A.

Target organs: N.A.

IHL-RAT LC50: N.A.

SKN-RBT LD50: N.A.

Section 12 — ECOLOGICAL INFORMATION

Data not yet available.

Section 13 — DISPOSAL CONSIDERATIONS

Please consult with state and local regulations.

Neutralize with 6M HCl and wash down drain with excess water.

Section 14 — TRANSPORT INFORMATION

Shipping Name: Not regulated

Hazard Class: N/A

UN Number: N/A

N/A = Not applicable

Section 15 — REGULATORY INFORMATION

Note: Potassium nitrate is listed in Table 172.101 of Title 49 CFR. This product is not affected by CAL Prop. 65.

Section 16 — OTHER INFORMATION

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