

I. PRODUCT IDENTIFICATION: Optimum Results™ B Reference Electrode Filling Solution Series

C-CL-1030 Wetting Agent

PRODUCT USE: Reagent

NFPA RATINGS: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT		%	LD ₅₀ mg/kg
Potassium Nitrate (KNO ₃)			
CAS NO.	7757-79-1	10	3.540 (ORL-RAT)
Potassium Chloride (KCl)			
CAS NO.	7447-40-7	<1	2.600 (ORL-RAT)
Silver Chloride (AgCl)			
CAS NO.	7783-90-6	<0,01	None found
Triton X-100 (C ₃₂ H ₅₈ O ₁₁)			
CAS NO.	9002-93-1	<0,01	1.800 (ORL-RAT)
Deionized Water (H ₂ O)			
CAS NO.	7732-18-5	<90	190.000 (IPR-MUS)

III. HAZARDS IDENTIFICATION

TARGET ORGANS: Kidneys, blood.

ACUTE TOXICITY: Large amounts taken internally may be fatal or cause dizziness, cramps, convulsions, vomiting, weakness, and collapse.

CHRONIC TOXICITY: Can cause anemia, nephritis and methemoglobinemia.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Kidney or heart problems.

IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Wash with large amounts of water for 15 minutes lifting the eyelids occasionally.

INHALATION: Not hazardous.

INGESTION: Induce vomiting. Consult physician.

V. FIRE FIGHTING MEASURES

FLASH POINT: NA AUTOIGNITION POINT: NA
FLAMMABILITY LIMITS: UPPER: NA LOWER: NA
EXTINGUISHING MEDIA: Dry chemical, water, foam, or CO₂.

VI. ACCIDENTAL RELEASE MEASURES

Dilute with water and clean up and set aside for waste disposal.

I. HANDLING AND STORAGE

Always wear eye protection and gloves when working with this product.

Keep sealed and store at room temperature.

II. EXPOSURE CONTROLS/ PERSONAL PROTECTION

OSHA & ACGIH THRESHOLD LIMIT: None listed.

PROTECTIVE EQUIPMENT: Safety glasses, lab coat and gloves.

III. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Clear liquid ODOR THRESHOLD: None

SENSITIVITY TO MECHANICAL IMPACT: None

SENSITIVITY TO STATIC DISCHARGE: None

COEFFICIENT OF OIL/WATER DISTRIBUTION: None

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1,06 pH: 5,5 – 7,5

BOILING POINT: 100 °C

VAPOR DENSITY: Not determined MELTING POINT: Not determined

X. STABILITY AND REACTIVITY

Product is stable. Hazardous polymerization will not occur.

Incompatibles: Reducing agents, B, BaS, Na Acetate, TI, S, Trichloroethylene, Charcoal.

Hazardous decomposition product: Oxides of nitrogen upon heating to decomposition.

XI. TOXICOLOGICAL INFORMATION

Route of Exposure: Dizziness, nausea, weakness.

Teratogen Status: None

Mutagen Status: None

Reproductive Toxicity: None

Carcinogen Status: None

XII. ECOLOGICAL INFORMATION

None available.

XIII. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with Federal, State and Local Regulations.

XIV. TRANSPORT INFORMATION

Product is not hazardous for transport.

XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:

None.

US / CANADA INFORMATION

SARA/Title III: Potassium nitrate is listed in Table 172, 101 of Title 49CFR.

Cal. Proposition 65: Ingredients not listed.

US TSCA Inventory: Ingredients are listed.

CPR Class: D2, B.

TDG Class: None.

MSDS discloses elements required by the CPR.

XVI. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.

(M)SDS prepared by Quality Assurance Group.