

MATERIAL SAFETY DATA SHEET

PART NUMBER: 9210086
IDENTITY: ELECTROLYTE, O₂ SENSOR
MANUFACTURER: ROSEMOUNT ANALYTICAL INC.
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DATE REVISED: 01/26/11
PREPARED BY: R. MORRISON
REVISED BY: T. PHILLIPS

SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS	CAS #	%	OSHA PEL	ACGIH TLV	OTHER LIMIT RECOMMENDED
POTASSIUM CHLORIDE	7447-40-7	100			

NON-HAZARDOUS INGREDIENTS

TOTAL 100

No health hazard or other information is available for the solution of the mixture. The following sections are based on information obtained from <http://www.jtbaker.com/msds/englishhtml/P5631.htm> and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT 1500 C
SPECIFIC GRAVITY (H₂O = 1) 1.987 (Density)
VAPOR PRESSURE (mm Hg/TEMPERATURE) no info found
MELTING POINT 772C
VAPOR DENSITY (AIR = 1) no info found
EVAPORATION RATE (= 1) no info found
SOLUBILITY IN WATER yes
WATER REACTIVE no
APPEARANCE AND ODOR white, powdery, crystal in dry form

SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USE no info found
AUTO IGNITION TEMPERATURE no info found
FLAMMABILITY LIMITS IN AIR BY VOLUME no info found
LEL no info found
UEL no info found
EXTINGUISHER MEDIA no info found
SPECIAL FIRE FIGHTING PROCEDURE no info found
UNUSUAL FIRE AND EXPLOSION HAZARD: no info found

SECTION 4--REACTIVITY HAZARD DATA

STABILITY STABLE UNSTABLE
CONDITIONS TO AVOID: no info found
INCOMPATIBILITY MATERIALS TO AVOID: **Bromine trifluoride; potassium permanganate plus sulfuric acid.**

HAZARDOUS DECOMPOSITION PRODUCTS: no info found

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: n/a

SECTION 5--HEALTH HAZARD DATA 9210086

PRIMARY ROUTES OF ENTRY: INHALATION _x
INGESTION _x

SKIN ABSORPTION _x
NOT HAZARDOUS __

CARCINOGEN LISTED: NPT __ IRAC __ OSHA __ NOT LISTED _X

HEALTH HAZARDS

ACUTE:

CHRONIC: No information found.

SIGNS AND SYMPTOMS OF EXPOSURE: No information found.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No information found.

EMERGENCY FIRST AID PROCEDURES: Induce vomiting for ingestion, for contact with eyes or skin rinse for 15 minutes, for inhalation remove to fresh air, give artificial respiration, or give oxygen if needed

EYE CONTACT: Potassium chloride is moderate eye irritant. Redness, tearing, possible abrasion can occur.

SKIN CONTACT: Contact may cause irritation or rash, particularly with moist skin.

INHALATION: Inhalation of high concentrations of dust may cause nasal or lung irritation.

INGESTION: Large quantities can produce gastrointestinal irritation and vomiting. May produce weakness and circulatory problems. May affect heart. In severe cases, ingestion may be fatal.

SECTION 6--CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSHA/MSHA APPROVED RESPIRATOR

PROTECTIVE GLOVES: YES

EYE PROTECTION: YES

VENTILATION TO BE USED

LOCAL EXHAUST: fume hood

MECHANICAL (GENERAL): n/a

SPECIAL OTHER (SPECIFY): n/a

PROTECTIVE CLOTHING AND EQUIPMENT: lab coat, safety goggles, gloves

HYGIENIC WORK PRACTICES: n/a

SECTION 7--PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

WASTE DISPOSAL METHODS: No information found

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS:

RATING:

HEALTH _2

FLAMMABILITY _0

REACTIVITY _1 SPECIFIC __ contact = 2