

MATERIAL SAFETY DATA SHEET

PART NUMBER: 1700640 (R-434A/R-459A)
IDENTITY: Potassium Iodide
MANUFACTURER: ROSEMOUNT ANALYTICAL INC. CAS #:
ADDRESS: 2400 BARRANCA PARKWAY DATE REVISED: 1/26/11
IRVINE, CA 92606 PREPARED BY: R. MORRISON
TELEPHONE: 949/757-8500 REVISED BY: T.PHILLIPS
(1-800-424-9300 24 Hr. CHEMTREC/ CODE: RANA)

SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

Table with 6 columns: COMPONENTS, CAS#, %, OSHA PEL, ACGIH TLV, OTHER LIMITS RECOMMENDED. Row 1: POTASSIUM IODIDE, 7681-11-0, 100., N/A, N/A, N/A. Row 2: 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/P5906.htm and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT 1330C (2426F)
SPECIFIC GRAVITY (H2O = 1) No info
VAPOR PRESSURE (mm Hg/TEMPERATURE) No info
MELTING POINT 680C (1256F)
VAPOR DENSITY (AIR = 1) No info
EVAPORATION RATE ( = 1) No info
SOLUBILITY IN WATER 140 grams/100 gm in water.
WATER REACTIVE No info
APPEARANCE AND ODOR White Crystals. Odorless.

SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USED N/A
AUTO IGNITION TEMPERATURE N/A
FLAMMABILITY LIMITS IN AIR % BY VOLUME N/A
LEL N/A
UEL N/A
EXTINGUISHER MEDIA N/A
SPECIAL FIRE FIGHTING PROCEDURES N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS : Not considered to be a fire hazard. Not considered to be an explosion hazard.

SECTION 4--REACTIVITY HAZARD DATA

STABILITY: STABLE x UNSTABLE\_\_
CONDITIONS TO AVOID: Air, moisture, light and incompatibles.
INCOMPATIBILITY MATERIALS TO AVOID: Diazonium salts; diisopropyl peroxydicarbonate; oxidants; bromine and chlorine trifluorides; fluorine perchlorate; calomel (mercurous chloride); potassium chlorate; metallic salts; tartaric and other acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of the contained metal and halogen, possibly also free, or ionic halogen.

HAZARDOUS POLYMERIZATION: MAY OCCUR\_\_\_ WILL NOT OCCUR\_\_\_x

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: N/A

**SECTION 5--HEALTH HAZARD DATA:** 1700640 (R-434A/R-459A)

PRIMARY ROUTES OF ENTRY: INHALATION\_\_\_x SKIN ABSORPTION\_\_\_x  
INGESTION\_\_\_x NOT HAZARDOUS\_\_\_

CARCINOGEN LISTED: NTP\_\_\_ IARC\_\_\_ OSHA\_\_\_ NOT LISTED x

HEALTH HAZARDS

ACUTE:

CHRONIC: Chronic ingestion of iodides may produce "iodism," which may be manifested by skin rash, running nose, headache and irritation of mucous membranes. Weakness, anemia, loss of weight, and general depression may also occur.

SIGNS AND SYMPTOMS OF EXPOSURE: See below

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No info

EMERGENCY FIRST AID PROCEDURES:

**Inhalation:**

Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:**

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

**Skin Contact:**

Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

**Eye Contact:**

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

EYE CONTACT: May cause irritation, redness and pain.

SKIN CONTACT: May cause irritation with redness and pain.

INHALATION: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

INGESTION: Large oral doses may cause irritation to the gastrointestinal tract.

**SECTION 6--CONTROL AND PROTECTIVE MEASURES**

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSHA/MSHA APPROVED RESPIRATOR (NIOSH type N95 or better filters)

PROTECTIVE GLOVES: Yes

EYE PROTECTION: Yes

VENTILATION TO BE USED

LOCAL EXHAUST: x

MECHANICAL (GENERAL):

SPECIAL:

OTHER (SPECIFY):

PROTECTIVE CLOTHING AND EQUIPMENT: Lab Coat

HYGIENIC WORK PRACTICES:

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

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Wet Sweep

WASTE DISPOSAL METHODS: Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Prolonged storage is not recommended because of possible degradation problems, including yellowing of the potassium iodide product.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep in a tightly closed light-resistant container, stored in a cool, dry, ventilated area.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS:

RATING:

HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 SPECIFIC 1 (contact)