

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product name** Salinity Indicator Reagent A

**Other means of identification**

**Product Code(s)** 7460

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Use as a laboratory reagent. Industrial (not for food or food contact use). Laboratory chemicals.

**Details of the supplier of the safety data sheet**

LaMotte Company, Inc.  
802 Washington Avenue  
P.O. Box 329  
Chestertown, MD 21620 USA  
T 410-778-3100  
F 410-778-9748

**Emergency telephone number**

24 Hour Emergency Number (CHEM-TEL): USA, Canada, Puerto Rico 1-800-255-3924 Outside North American Continent (Call collect) 813-248-0585

## 2. HAZARDS IDENTIFICATION

|                        |             |
|------------------------|-------------|
| Skin sensitization     | Category 1  |
| Germ cell mutagenicity | Category 1B |
| Carcinogenicity        | Category 1A |

### EMERGENCY OVERVIEW

**DANGER**

**Hazard statements**

May cause an allergic skin reaction. May cause genetic defects. May cause cancer.



**Appearance** Clear yellow liquid

**Physical state** liquid

**Odor** None

**Precautionary Statements - Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED. Drink 1 or 2 glasses of water. Call a physician immediately.

**Precautionary Statements - Storage**

Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Other Hazards**

Causes mild skin irritation Very toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS\*

| Chemical name      | CAS No    | Weight-% |
|--------------------|-----------|----------|
| Potassium chromate | 7789-00-6 | 5        |

### 4. FIRST AID MEASURES

**First Aid Measures**

|  |  |
|--|--|
| <b>General advice</b>                            | Do not get in eyes, on skin, or on clothing.   |
| <b>Eye contact</b>                               | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists or develops, contact a physician.  |
| <b>Skin contact</b>                              | Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. If skin irritation persists, call a physician.  |
| <b>Inhalation</b>                                | Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and contact emergency personnel. Call a physician immediately.  |
| <b>Ingestion</b>                                 | Do not induce vomiting without medical advice. Rinse mouth with water and afterwards drink plenty of water or milk. Never give anything by mouth to an unconscious person. Consult a physician.  |
| <b><u>Self-protection of the first aider</u></b> | Use personal protective equipment. See section 8 for more information. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. |

### 5. FIREFIGHTING MEASURES

**Suitable extinguishing media**

Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

|                                  |  |
|----------------------------------|--|
| <b>Personal precautions</b>      | Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. |
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information.  |

**Methods and material for containment and cleaning up**

**Methods for containment** Soak up with inert absorbent material, containerize, and hold for disposal. Do not flush to sewer.

**Methods for cleaning up** Keep in suitable and closed containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and clothing. Do not taste or swallow. Do not eat, drink, or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep away from direct sunlight. Keep out of the reach of children.

**Incompatible Products** Strong reducing agents. Hydrazine.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

| Chemical name                   | ACGIH TLV                      | OSHA PEL   | NIOSH IDLH  |
|---------------------------------|--------------------------------|--|---|
| Potassium chromate<br>7789-00-6 | TWA: 0.05 mg/m <sup>3</sup> Cr | TWA: 5 µg/m <sup>3</sup><br>(vacated) Ceiling: 0.1 mg/m <sup>3</sup><br>Ceiling: 0.1 mg/m <sup>3</sup> CrO <sub>3</sub> applies to any operations or sectors for which the Hexavalent Chromium standard [29 CFR 1910.1026] is stayed or is otherwise not in effect | IDLH: 15 mg/m <sup>3</sup> Cr(VI)<br>TWA: 0.0002 mg/m <sup>3</sup> Cr |

NIOSH IDLH: *Immediately Dangerous to Life or Health*

**Appropriate engineering controls**

**Engineering Measures** Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves/clothing. Gloves & Lab Coat.

**Respiratory protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

**Physical state** liquid  
**Appearance** Clear yellow liquid  
**Odor** None

| <u>Property</u>                | <u>Values</u>                       | <u>Remarks • Method</u> |
|--------------------------------|-------------------------------------|-------------------------|
| pH                             | 9                                   |                         |
| Melting point / freezing point | No information available            |                         |
| Boiling point / boiling range  | ca. 101 °C No information available |                         |
| Flash point                    | Not Applicable                      |                         |
| Evaporation rate               |                                     |                         |
| Flammability (solid, gas)      | No information available            |                         |
| Flammability Limit in Air      |                                     |                         |
| Upper flammability limit:      | No information available            |                         |
| Lower flammability limit:      | No information available            |                         |
| Vapor pressure                 | No information available            |                         |
| Vapor density                  | No information available            |                         |
| Specific gravity               | No information available            |                         |
| Water solubility               | No information available            |                         |
| Solubility in other solvents   | No information available            |                         |
| Partition coefficient          | No information available            |                         |
| Autoignition temperature       | No information available            |                         |
| Decomposition temperature      | No information available            |                         |
| Kinematic viscosity            | No information available            |                         |
| Dynamic viscosity              | No information available            |                         |
| Explosive properties           | No information available            |                         |
| Oxidizing properties           | No information available            |                         |

**Other Information**

|                  |                          |
|------------------|--------------------------|
| Softening point  | No information available |
| Molecular weight | No information available |
| VOC Content (%)  | No information available |
| Density          | No information available |
| Bulk density     | No information available |

**10. STABILITY AND REACTIVITY**

|   |   |
|---|---|
| <b>Stability</b>                        | Stable under recommended storage conditions.            |
| <b>Hazardous polymerization</b>         | Hazardous polymerization does not occur.                |
| <b>Conditions to avoid</b>              | Excessive heat. Incompatible products. Direct sunlight. |
| <b>Incompatible materials</b>           | Strong reducing agents. Hydrazine.                      |
| <b>Hazardous decomposition products</b> |   |

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Component identification**

| <b>Chemical name</b>            | <b>ATEmix (oral)</b> | <b>ATEmix (dermal)</b> | <b>Inhalation LC50</b> |
|---------------------------------|----------------------|------------------------|------------------------|
| Potassium chromate<br>7789-00-6 | Not Established      | Not Established        | Not Established        |

**Information on toxicological effects**

| <b>Chemical name</b>            | <b>ACGIH</b> | <b>IARC</b> | <b>NTP</b> | <b>OSHA</b> |
|---------------------------------|--------------|-------------|------------|-------------|
| Potassium chromate<br>7789-00-6 | A1           | Group 1     | Known      | X           |

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A1 - Known Human Carcinogen*

*NTP (National Toxicology Program)*

*Known - Known Carcinogen*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

| Chemical name                   | Toxicity to Algae | Toxicity to Fish | Daphnia Magna (Water Flea) |
|---------------------------------|-------------------|------------------|----------------------------|
| Potassium chromate<br>7789-00-6 | Not Established   | Not Established  | Not Established            |

**Persistence and degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

| Chemical name                   | Log Pow         |
|---------------------------------|-----------------|
| Potassium chromate<br>7789-00-6 | Not Established |

**13. DISPOSAL CONSIDERATIONS****Disposal Methods** Dispose of contents/containers in accordance with local regulations.**Contaminated packaging** Do not reuse empty containers.

| Chemical name                   | RCRA            | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---------------------------------|-----------------|--------------------------|------------------------|------------------------|
| Potassium chromate<br>7789-00-6 | Not Established | -                        | Not Established        | Not Established        |

| Chemical name                   | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes | RCRA - K Series Wastes |
|---------------------------------|--------------------------------------|------------------------|------------------------|------------------------|
| Potassium chromate<br>7789-00-6 | Not Established                      | Not Established        | Not Established        | Not Established        |

| Chemical name                   | California Hazardous Waste Status |
|---------------------------------|-----------------------------------|
| Potassium chromate<br>7789-00-6 | Toxic<br>Corrosive<br>Ignitable   |

**14. TRANSPORT INFORMATION****DOT** Not regulated**IATA** Not regulated**IMDG/IMO** Not regulated**15. REGULATORY INFORMATION****International Inventories**

|               |          |
|---------------|----------|
| TSCA          | Complies |
| DSL/NDSL      | Complies |
| EINECS/ELINCS | Complies |
| ENCS          | Complies |
| IECSC         | Complies |
| KECL          | Complies |
| PICCS         | Complies |
| AICS          | Complies |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name                   | SARA 313 - Threshold Values % |
|---------------------------------|-------------------------------|
| Potassium chromate<br>7789-00-6 | 0.1                           |

**SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute health hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name                   | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Potassium chromate<br>7789-00-6 | 10 lb                       | X                      | Not Established           | X                          |

**CERCLA**

| Chemical name                   | Hazardous Substances RQs | CERCLA/SARA RQ  | RQ                                       |
|---------------------------------|--------------------------|-----------------|--|
| Potassium chromate<br>7789-00-6 | 10 lb                    | Not Established | RQ 10 lb final RQ<br>RQ 4.54 kg final RQ |

**US State Regulations****California Proposition 65**

WARNING! This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm

| Chemical name                   | California Proposition 65   |
|---------------------------------|---|
| Potassium chromate<br>7789-00-6 | Carcinogen<br>Developmental<br>Female Reproductive<br>Male Reproductive |

**U.S. State Right-to-Know Regulations**

| Chemical name                   | New Jersey | Massachusetts | Pennsylvania |
|---------------------------------|------------|---------------|--------------|
| Potassium chromate<br>7789-00-6 | X          | X             | X            |

**CPSC (Consumer Product Safety Commission) - Specially Regulated Substances****16. OTHER INFORMATION**

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**NFPA**                      Health hazard 2                      Flammability 0                      Instability 0                      Physical and Chemical Hazards N/A

Health hazard 2                      Flammability 0                      Stability 0



|               |          |
|---------------|----------|
| Health Hazard | <b>2</b> |
| Fire Hazard   | <b>0</b> |
| Reactivity    | <b>0</b> |

**Prepared by**

Regulatory Affairs Department

**Issuing Date**

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**Reason for revision**

(M)SDS sections updated 15

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**