



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. RR 01
Effective Date April 23, 1999

SECTION V HEALTH HAZARD DATA

RR 01

Threshold Limited Value

None established for these mixtures.

Effects of Overexposure

INHALATION: Non-hazardous. **EYES:** No specific hazard is known. However, any material that contacts the eye may be irritating. **SKIN:** Low hazard. None expected at these concentrations. **INGESTION:** Low hazard for each of the chemical solutions in this kit. None expected at these concentrations.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush with water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and get medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

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|-----------|----------|---|---------------------|---|
| Stability | Unstable | | Conditions to Avoid | Protect from light, excessive temperature and heat. |
| | Stable | X | | |

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| Incompatibility (Materials to Avoid) | Strong oxidizers. |
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| Hazardous Decomposition Products | Thermal decomposition or burning emits carbon dioxide and/or carbon monoxide, chlorine and oxides of potassium and magnesium. |
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| Hazardous Polymerization | Conditions to Avoid |
| May Occur | Will Not Occur |
| | X |
| | Not applicable. |

SECTION VII SPILL OR LEAK PROCEDURES

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| Steps to be taken in case material is released or spilled | Dilute with water and flush to sewer with copious amounts of water. Wash spill area with soap and water. |
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| Waste Disposal Method | Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. |
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Flush to sewer with copious amounts of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

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| Respiration Protection (Specify Type) | None needed in normal laboratory handling. If misty conditions should prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator. |
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| Ventilation | Local Exhaust | None needed. | Special | No. |
| | Mechanical (General) | None needed. | Other | No. |

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|-------------------|--------------|----------------|--------------------------|
| Protective Gloves | None needed. | Eye Protection | Chemical safety glasses. |
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| Other Protective Equipment | Lab coat, eye wash station. |
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SECTION IX SPECIAL PRECAUTIONS

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| Precautions to be Taken in Handling & Storing | Store kit in a cool place and protect from light. Wash thoroughly after handling. |
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| Other Precautions | Read label on container before using. Do not wear contact lenses when working with chemicals. |
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Do not mix, dilute or contaminate these solutions, may effect the usefulness of these materials. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

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| Revision No. 6 | Date 4/23/99 | Approved Michael Raszeja | Chemical Safety Coordinator MR |
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

| | | |
|-------------------|----------------------------------|---|
| Product | PSOAS MUSCLE CHEMICAL KIT | CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * |
| Chemical Synonyms | Rabbit Psoas Muscle Chemical Kit | |
| Formula | Mixture. See Section II. | |
| Unit Size | 3 solutions per kit, 25 mL. each | |
| C.A.S. No. | Mixture. See * | Health 1 Fire 0 Reactivity 0 |

SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s) | % | TLV Units |
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| (a) Adenosine Triphosphate (ATP) 0.25%, 1% Benzyl Alcohol stabilizer, water solution. | | |
| (b) Adenosine Triphosphate (ATP) 0.25%, Potassium Chloride 0.0373%, Magnesium Chloride 0.0095%, 1% Benzyl Alcohol stabilizer, water solution. (c) Potassium Chloride 0.0373%, Magnesium Chloride 0.0095%, water solution. | | |

SECTION III PHYSICAL DATA

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| Melting Point (°F) | Freezes approx. 0°C (32°F) | Specific Gravity (H ₂ O = 1) | Approx. 1.0 @ 20°C. |
| Boiling Point (°F) | Approx. 100°C (212°F) | Percent Volatile by Volume (%) | 99.5% |
| Vapor Pressure (mm Hg) | 14 mm (water) | Evaporation Rate (Ether = 1) | Greater than 1. |
| Vapor Density (Air=1) | 0.7 (water) | | |
| Solubility in Water | Complete. | | |
| Appearance & Odor | Clear, water white liquid; (a) (b) almond odor (c) no odor. | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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| Flash Point (Method Used) | Non-flammable | Flammable Limits in Air % by Volume | N/A | Lower | Upper |
| Extinguisher Media | Water spray; carbon dioxide (CO ₂); dry chemical (ABC). | | | | |

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products.

* Adenosine Triphosphate: (CAS No. 987-65-5)
Benzyl Alcohol: (CAS No. 100-51-6)
Potassium Chloride: (CAS No. 7447-40-7)
Magnesium Chloride: (CAS No. 7786-30-3)

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20