

**MATERIAL SAFETY DATA SHEET**

**Company Name:** C.R. Laurence Australia  
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**Vendor Update:** 7/22/2005  
**Date Prepared:** 1/6/2006  
**MSDS Number:** MSD150 ; MSD300 ; MSD325LDA ; MSD5 ; MSD50B ; MSD50BLDA ;

**I. CHEMICAL PRODUCT IDENTIFICATION**

**Product Name:** MOLECULAR SIEVE ADSORBENT  
**HMIS Ratings:**  
**NFPA Ratings:**

**II. COMPOSITION, INFORMATION ON INGREDIENTS**

<i>Chemical Ingredients</i>	<i>C.A.S. Number</i>	<i>% By Weight</i>	<i>ACGIH TLV TWA/STEL</i>	<i>OSHA PEL TWA/STEL</i>	<i>Other TWA/STEL</i>	<i>LD50</i>	<i>LC50</i>
SILICON DIOXIDE	14808-60-7						
<i>Notes</i>							
ALUMINA	1344-28-1						
<i>Notes</i>							

**III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY**

**Other:** THIS SUBSTANCE IS CONSIDERED TO BE NON-HAZARDOUS FOR TRANSPORT.

**IV. FIRST AID MEASURES**

**Eyes:** IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS.

**Skin:** IN CASE OF CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER.

**Ingestion:** IF SWALLOWED, WASH OUT MOUTH WITH WATER.

**Inhalation:** IF INHALED, REMOVE TO FRESH AIR.

**V. FIRE FIGHTING MEASURES**

**Extinguishing Agents:** SUITABLE: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

**Unusual Fire or Explosion** EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

**Hazards:**

**Fire Fighting Procedures:** PROTECTIVE EQUIPMENT: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

**VI. ACCIDENTAL RELEASE MEASURES**

**Containment/Cleanup:** WEAR APPROPRIATE PROTECTIVE CLOTHING TO MINIMIZE DIRECT CONTACT WITH SKIN OR EYES AND PREVENT INHALATION. <BR> METHODS OF CLEANING UP: <BR> SWEEP UP WITH SPADE, PLACE INTO A DRY, CLEAN, LIDDED CONTAINER FOR DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICK UP IS COMPLETE.

**VII. HANDLING AND STORAGE**

**Other:** HANDLING: </BR> USER EXPOSURE: USE PROTECTIVE CLOTHING AND GLOVES. KEEP AWAY FROM IGNITION SOURCES, HEAT AND FLAME. INCOMPATIBILITIES: OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES. NO SMOKING AT WORKING SITE. </BR> STORAGE: </BR> STORE IN A COOL, WELL-VENTILATED AREA. KEEP AWAY FROM IGNITION SOURCES, HEAT AND FLAME. STORE IN A TIGHTLY CLOSED CONTAINER. INCOMPATIBILITIES: OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES.

**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** CHEMICAL SAFETY GLASSES IF NECESSARY.

**Skin:** SAFETY GLOVES.

**Respiratory:** WEAR GOVERNMENT APPROVED RESPIRATOR IF NECESSARY.

**Engineering:** SAFETY SHOWER AND EYE BATH. MECHANICAL EXHAUST REQUIRED.

**Other:** GENERAL HYGIENE MEASURES: NO SMOKING AT WORKING SITE.

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** BEIGE BALL LITTLE GRANULE

**pH:** NOT NECESSITY

**Solubility in Water:** HARDLY SOLUBLE IN WATER, ETHANOL AND ACETONE

**Other:** MP/MP RANGE: >300°C

**X. STABILITY AND REACTIVITY**

**Stability:** STABLE

**Hazardous Polymerization:** WILL NOT OCCUR

**Hazardous Decomposition** METAL OXIDES.

**Products:**

**Incompatible Products:** OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES.

**XI. TOXICOLOGICAL INFORMATION**

**Other:** NO DATA AVAILABLE

**XII. ECOLOGICAL INFORMATION**

**Other:** NO DATA AVAILABLE

**XIII. DISPOSAL CONSIDERATIONS**

**Disposal Method:** CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AND AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

**XIV. TRANSPORT INFORMATION**

**D.O.T. Shipping Name:** NONE

**D.O.T. Hazard Class:** THIS SUBSTANCE IS CONSIDERED TO BE NON-HAZARDOUS FOR TRANSPORT.

**Other:** LATA: NON-HAZARDOUS FOR AIR TRANSPORT. </BR> IMO: NON-HAZARDOUS FOR SEA TRANSPORT.

**XV. REGULATORY INFORMATION**

**Other:** EU ADDITIONAL CLASSIFICATION: S: 36/37 </BR> SAFETY STATEMENT: WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

**XVI. OTHER INFORMATION**

**WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.