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|  | Altrazeal™ Hydrogel Nanoparticle Dressing Uluru, Inc. 4452 Beltway Drive, Addison TX, 75001 (214) 905-5145 |
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MATERIAL SAFETY DATA SHEET

EMERGENCY TELEPHONE – ULURU INC: 1-(866) 606-9325
 Please see www.altrazeal.com for more information on Uluru's products

| 1. GENERAL INFORMATION | |
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| Product Name: Altrazeal™ Hydrogel Nanoparticle Dressing | I-712732 C-2302-120 |
| Description: White powder. | I-711377 C-2302-5 |
| Category: Hydrogel wound dressing. | I-711697 C-2302-120 |
| NFPA 704M Rating: 2-1-0 (proposed) | I-711698 C-2305-120 |
| | I-711701 C-2305-5 |

| 2. INGREDIENTS | | | |
|---|-----------|---------|---|
| Hazardous Ingredients: | CAS # | TLV/PEL | Hazard Data |
| Sodium deoxycholate ($<1\%$ of composition) C24H39NaO4 | 302-95-4 | None | May cause skin irritation, May be harmful if absorbed through skin May be harmful if inhaled May cause eye irritation |
| Non-hazardous Ingredients: | CAS# | TLV/PEL | Hazard Data |
| Poly2-hydroxyethyl methacrylate (84.5% of composition) | 025249165 | None | Low hazard for handling |
| Poly-2-hydroxypropyl methacrylate (14.5 % of composition) | 025703791 | None | Low hazard for handling |

3. HEALTH HAZARD DATA

Primary Routes of Exposure: Skin contact, eye contact, ingestion, inhalation

Effects of Overexposure:

Skin: Prolonged and repeated contact may cause irritation
Eyes: May cause mild irritation
Ingestion: May cause gastrointestinal irritation
Inhalation: Inhalation can cause irritation

First Aid Procedure:

Skin: If irritation occurs, wash with soap and water.
Eyes: Immediately flush eyes with water for at least 15 min. If irritation persists, seek medical attention.
Ingestion: Induce vomiting as directed by medical personnel.
Inhalation: Move away from source, if irritation persists, seek medical attention.



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4. REACTIVITY DATA

Stability: Stable under label conditions

Incompatibility: None

Hazardous Decomposition or Polymerization Products: None

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-flammable

LEL/UEL: Not applicable

Extinguishing Media: As applicable to type of fire

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. May emit toxic fumes under fire conditions.

Unusual Fire/Explosion Hazards: As a dust, it may become explosive.

6. SAFE HANDLING AND USE PRECAUTIONS

Spill Response: Wipe up with absorbent material and dispose of in general trash.

Waste Disposal: Dispose of in accordance with all federal, state and local regulations.

Handling: Wear appropriate dust mask or NIOSH/MSHA approved respirator to avoid inhaling dust. Avoid contact with eyes.

Storage: Keep container tightly closed. Store at room temperature, 15-30°C (59-86°F). Segregate from other materials to avoid cross contamination.

7. PHYSICAL/CHEMICAL PROPERTIES

Appearance: White powder

Solubility in De-ionized Water: 28 mg/mL at room temperature

Solubility in City (Tap) Water: 8 mg/mL at room temperature

8. TRANSPORTATION

Not regulated by the US Department of Transportation (DOT), International Maritime Organization (IMO), or International Air Transport Association (IATA).



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9. OTHER INFORMATION

Disclaimer: The information provided in this MSDS is believed to be accurate as of the time of preparation. By making the MSDS available, ULURU Inc. does not make any express or implied warranty regarding the MSDS, its accuracy, or the product to which it relates. It is the responsibility of the user to determine the suitability of this information for the adoption of necessary safety precautions and disposal procedures. Anyone using this information agrees that ULURU Inc. shall not be held liable for any personal injury or other damage relating to, or arising from such use, including direct, incidental, or consequential damage and such user agrees to indemnify ULURU, Inc. for any claims arising out of its use.

Please be advised that this MSDS is intended for industrial purchasers, which may use large quantities of the product. The listed hazard data may reflect hazards related to the formulation as a whole, or to individual components at 100% concentration. Therefore, certain warnings and hazard statements contained on this MSDS may not be applicable to or included in the package labeling to the general public.
