

## MATERIAL SAFETY DATA SHEET

**Product Trade Name:** PERMSEAL-600 CONFORMANCE PROCESS

**Revision Date:** 04-Jan-2011

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

**Statement of Hazardous Nature** Non-Hazardous according to the criteria of NOHSC, Non-Dangerous Goods according to the criteria of ADG.

**Manufacturer/Supplier** Halliburton Australia Pty. Ltd.  
15 Marriott Road  
Jandakot  
WA 6164  
Australia

ACN Number: 009 000 775  
Telephone Number: 61 (08) 9455 8300  
Fax Number: 61 (08) 9455 5300

**Product Emergency Telephone**

Australia: 08-64244950  
Papua New Guinea: 05 1 281 575 5000  
NewZealand: 06-7559274

**Fire, Police & Ambulance - Emergency Telephone**

Australia: 000  
Papua New Guinea: 000  
New Zealand: 111

### Identification of Substances or Preparation

**Product Trade Name:** PERMSEAL-600 CONFORMANCE PROCESS  
**Synonyms:** None  
**Chemical Family:** Blend  
**UN Number:** None  
**Dangerous Goods Class:** None  
**Subsidiary Risk:** None  
**Hazchem Code:** None Allocated  
**Poisons Schedule:** None Allocated  
**Application:** Conformance Control

**Prepared By** Chemical Compliance  
Telephone: 1-580-251-4335  
e-mail: fdunexchem@halliburton.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Substances         | CAS Number | PERCENT | Australia<br>NOHSC | New Zealand<br>WES | ACGIH TLV-TWA  |
|--------------------|------------|---------|--------------------|--------------------|----------------|
| Potassium chloride | 7447-40-7  | 1 - 5%  | Not applicable     | Not applicable     | Not applicable |

## Non-Hazardous Substance to Total of 100%

### 3. HAZARDS IDENTIFICATION

**Hazard Overview** May cause eye and skin irritation.

**Risk Phrases** None

**HSNO Classification** Not Determined

### 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

**Skin** Wash with soap and water. Get medical attention if irritation persists.

**Eyes** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Ingestion** Under normal conditions, first aid procedures are not required.

**Notes to Physician** None known.

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** All standard fire fighting media

**Extinguishing media which must not be used for safety reasons** None known.

**Special Exposure Hazards** Decomposition in fire may produce toxic gases.

**Special Protective Equipment for Fire-Fighters** Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautionary Measures** Use appropriate protective equipment.

**Environmental Precautionary Measures** Prevent from entering sewers, waterways, or low areas.

**Procedure for Cleaning / Absorption** Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

### 7. HANDLING AND STORAGE

**Handling Precautions** Avoid contact with eyes, skin, or clothing.

**Storage Information** Store away from oxidizers. Store away from direct sunlight. Store in a cool well ventilated area. Keep container closed when not in use. Product has a shelf life of 36 months.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls** Use in a well ventilated area.

|                               |                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory Protection</b> | Not normally needed. But if significant exposures are possible then the following respirator is recommended:<br>Organic vapor respirator. |
| <b>Hand Protection</b>        | Impervious rubber gloves.                                                                                                                 |
| <b>Skin Protection</b>        | Normal work coveralls.                                                                                                                    |
| <b>Eye Protection</b>         | Chemical goggles; also wear a face shield if splashing hazard exists.                                                                     |
| <b>Other Precautions</b>      | Eyewash fountains and safety showers must be easily accessible.                                                                           |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                   |                |
|---------------------------------------------------|----------------|
| <b>Physical State:</b>                            | Liquid         |
| <b>Color:</b>                                     | Colorless      |
| <b>Odor:</b>                                      | Odorless       |
| <b>pH:</b>                                        | 5.5-6.5        |
| <b>Specific Gravity @ 20 C (Water=1):</b>         | 1.028          |
| <b>Density @ 20 C (kg/l):</b>                     | 1.028          |
| <b>Bulk Density @ 20 C (kg/m³):</b>               | Not Determined |
| <b>Boiling Point/Range (C):</b>                   | Not Determined |
| <b>Freezing Point/Range (C):</b>                  | Not Determined |
| <b>Pour Point/Range (C):</b>                      | Not Determined |
| <b>Flash Point/Range (C):</b>                     | Not Determined |
| <b>Flash Point Method:</b>                        | PMCC           |
| <b>Autoignition Temperature (C):</b>              | Not Determined |
| <b>Flammability Limits in Air - Lower (g/m³):</b> | Not Determined |
| <b>Flammability Limits in Air - Lower (%):</b>    | Not Determined |
| <b>Flammability Limits in Air - Upper (g/m³):</b> | Not Determined |
| <b>Flammability Limits in Air - Upper (%):</b>    | Not Determined |
| <b>Vapor Pressure @ 20 C (mmHg):</b>              | Not Determined |
| <b>Vapor Density (Air=1):</b>                     | Not Determined |
| <b>Percent Volatiles:</b>                         | Not Determined |
| <b>Evaporation Rate (Butyl Acetate=1):</b>        | Not Determined |
| <b>Solubility in Water (g/100ml):</b>             | Not Determined |
| <b>Solubility in Solvents (g/100ml):</b>          | Not Determined |
| <b>VOCs (g/l):</b>                                | Not Determined |
| <b>Viscosity, Dynamic @ 20 C (centipoise):</b>    | Not Determined |
| <b>Viscosity, Kinematic @ 20 C (centistokes):</b> | Not Determined |
| <b>Partition Coefficient/n-Octanol/Water:</b>     | Not Determined |
| <b>Molecular Weight (g/mole):</b>                 | Not Determined |
| <b>Decomposition Temperature (C):</b>             | Not Determined |

## 10. STABILITY AND REACTIVITY

|                                             |                                                         |
|---------------------------------------------|---------------------------------------------------------|
| <b>Stability Data:</b>                      | Stable                                                  |
| <b>Hazardous Polymerization:</b>            | Will Not Occur                                          |
| <b>Conditions to Avoid</b>                  | None known.                                             |
| <b>Incompatibility (Materials to Avoid)</b> | Strong oxidizers. Strong alkalis.                       |
| <b>Hazardous Decomposition Products</b>     | Oxides of nitrogen. Carbon monoxide and carbon dioxide. |
| <b>Additional Guidelines</b>                | Not Applicable                                          |

## 11. TOXICOLOGICAL INFORMATION

|                                               |                                                                                                            |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Principle Route of Exposure</b>            | Eye or skin contact, inhalation.                                                                           |
| <b>Symptoms related to exposure</b>           |                                                                                                            |
| <b>Inhalation</b>                             | May cause respiratory irritation.                                                                          |
| <b>Skin Contact</b>                           | May cause skin irritation.                                                                                 |
| <b>Eye Contact</b>                            | May cause eye irritation.                                                                                  |
| <b>Ingestion</b>                              | Irritation of the mouth, throat, and stomach. May cause abdominal pain, vomiting, nausea, and diarrhea.    |
| <b>Aggravated Medical Conditions</b>          | None known.                                                                                                |
| <b>Chronic Effects/Carcinogenicity</b>        | No data available to indicate product or components present at greater than 1% are chronic health hazards. |
| <b>Other Information</b>                      | None known.                                                                                                |
| <b>Toxicity Tests</b>                         |                                                                                                            |
| <b>Oral Toxicity:</b>                         | Not determined                                                                                             |
| <b>Dermal Toxicity:</b>                       | Not determined                                                                                             |
| <b>Inhalation Toxicity:</b>                   | Not determined                                                                                             |
| <b>Primary Irritation Effect:</b>             | Not determined                                                                                             |
| <b>Carcinogenicity</b>                        | Not determined                                                                                             |
| <b>Genotoxicity:</b>                          | Not determined                                                                                             |
| <b>Reproductive / Developmental Toxicity:</b> | Not determined                                                                                             |

## 12. ECOLOGICAL INFORMATION

|                                  |                |
|----------------------------------|----------------|
| <b>Mobility (Water/Soil/Air)</b> | Not determined |
| <b>Persistence/Degradability</b> | Not determined |
| <b>Bio-accumulation</b>          | Not determined |

### Ecotoxicological Information

|                                    |                                      |
|------------------------------------|--------------------------------------|
| <b>Acute Fish Toxicity:</b>        | May be highly toxic to aquatic life. |
| <b>Acute Crustaceans Toxicity:</b> | Not determined                       |
| <b>Acute Algae Toxicity:</b>       | Not determined                       |
| <b>Chemical Fate Information</b>   | Not determined                       |
| <b>Other Information</b>           | Not applicable                       |

### 13. DISPOSAL CONSIDERATIONS

|                               |                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------|
| <b>Disposal Method</b>        | Disposal should be made in accordance with federal, state, and local regulations. |
| <b>Contaminated Packaging</b> | Follow all applicable national or local regulations.                              |

### 14. TRANSPORT INFORMATION

#### Land Transportation

**ADR**  
Not restricted

#### Air Transportation

**ICAO/IATA**  
Not restricted

#### Sea Transportation

**IMDG**  
Not restricted

#### Other Transportation Information

**Labels:** None

### 15. REGULATORY INFORMATION

#### Chemical Inventories

|                                           |                                                                  |
|-------------------------------------------|------------------------------------------------------------------|
| <b>Australian AICS Inventory</b>          | Product contains one or more components not listed on inventory. |
| <b>New Zealand Inventory of Chemicals</b> | This product does not comply with NZIOC                          |
| <b>US TSCA Inventory</b>                  | All components listed on inventory or are exempt.                |
| <b>EINECS Inventory</b>                   | This product, and all its components, complies with EINECS       |

**Classification** Not Classified

**Risk Phrases** None

**Safety Phrases** None

### 16. OTHER INFORMATION

**The following sections have been revised since the last issue of this SDS**  
Not applicable

#### Contact

**Australian Poisons Information Centre**  
24 Hour Service: - 13 11 26  
Police or Fire Brigade: - 000 (exchange): - 1100

**New Zealand National Poisons Centre**  
0800 764 766

**Additional Information**

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Safety Data Sheet for this or other Halliburton products, contact Chemical Compliance at 1-580-251-4335.

**Disclaimer Statement**

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**\*\*\*END OF MSDS\*\*\***