

# MATERIAL SAFETY DATA SHEET

**Product Trade Name:** POLYSELECT XAN

**Revision Date:** 25-Aug-2015

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

**Statement of Hazardous Nature** Non-Hazardous according to the criteria of the 3rd Revised Edition of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS), Non-Dangerous Goods according to the criteria of ADG.

**Manufacturer/Supplier** Halliburton Australia Pty. Ltd.  
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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:** POLYSELECT XAN  
**Synonyms:** None  
**Chemical Family:** Polysaccharide  
**Dangerous Goods Class:** None  
**Subsidiary Risk:** None  
**Hazchem Code:** None Allocated  
**Poisons Schedule:** None Allocated  
**Application:** Viscosifier

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

## 2. HAZARDS IDENTIFICATION

**Statement of Hazardous Nature** Non-Hazardous according to the criteria of the 3rd Revised Edition of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS), Non-Dangerous Goods according to the criteria of ADG.

**Hazard Overview** May cause eye irritation. Airborne dust may be explosive.

|                            |               |
|----------------------------|---------------|
| <b>Classification</b>      | None          |
| <b>Risk Phrases</b>        | None          |
| <b>Safety Phrases</b>      | None          |
| <b>HSNO Classification</b> | Non-hazardous |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Substances                                                                                                   | CAS Number | PERCENT (w/w) | Australia NOHSC | New Zealand WES | ACGIH TLV-TWA  |
|--------------------------------------------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|----------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | 60 - 100%     | Not applicable  | Not applicable  | Not applicable |

**Non-Hazardous Substance to Total of 100%** Non-Hazardous Substance to Total of 100%

### 4. FIRST AID MEASURES

|                           |                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>         | If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.    |
| <b>Skin</b>               | Wash with soap and water. Get medical attention if irritation persists.                                                                   |
| <b>Eyes</b>               | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists. |
| <b>Ingestion</b>          | Under normal conditions, first aid procedures are not required.                                                                           |
| <b>Notes to Physician</b> | Not Applicable                                                                                                                            |

### 5. FIRE FIGHTING MEASURES

#### Suitable Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

#### Extinguishing media which must not be used for safety reasons

None known.

|                                                       |                                                                                                                                                                                                                   |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special Exposure Hazards</b>                       | Decomposition in fire may produce harmful gases. Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential. |
| <b>Special Protective Equipment for Fire-Fighters</b> | Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.                                                                                                    |

### 6. ACCIDENTAL RELEASE MEASURES

|                                             |                                                                                                                                                   |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautionary Measures</b>      | Use appropriate protective equipment. Avoid creating and breathing dust. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. |
| <b>Environmental Precautionary Measures</b> | Prevent from entering sewers, waterways, or low areas.                                                                                            |
| <b>Procedure for Cleaning / Absorption</b>  | Scoop up and remove.                                                                                                                              |

## 7. HANDLING AND STORAGE

|                             |                                                                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling Precautions</b> | Slippery when wet. Avoid creating or inhaling dust. Avoid contact with eyes, skin, or clothing. Ensure adequate ventilation. Wash hands after use. Launder contaminated clothing before reuse. Use appropriate protective equipment. |
| <b>Storage Information</b>  | Store away from oxidizers. Store in a cool, dry location. Product has a shelf life of 24 months.                                                                                                                                     |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                      |                                                                                                                                                                                                                                                                                 |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engineering Controls</b>          | Use in a well ventilated area.                                                                                                                                                                                                                                                  |
| <b>Personal Protective Equipment</b> | If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product. |
| <b>Respiratory Protection</b>        | Not normally needed. But if significant exposures are possible then the following respirator is recommended:<br>Dust/mist respirator. (N95, P2/P3)                                                                                                                              |
| <b>Hand Protection</b>               | Normal work gloves.                                                                                                                                                                                                                                                             |
| <b>Skin Protection</b>               | Normal work coveralls.                                                                                                                                                                                                                                                          |
| <b>Eye Protection</b>                | Wear safety glasses or goggles to protect against exposure.                                                                                                                                                                                                                     |
| <b>Other Precautions</b>             | None known.                                                                                                                                                                                                                                                                     |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                   |                    |
|---------------------------------------------------|--------------------|
| <b>Physical State:</b>                            | Powder             |
| <b>Color:</b>                                     | White to off white |
| <b>Odor:</b>                                      | Slight             |
| <b>pH:</b>                                        | 7 (1%)             |
| <b>Specific Gravity @ 20 C (Water=1):</b>         | 1.6                |
| <b>Density @ 20 C (kg/l):</b>                     | Not Determined     |
| <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>                        | Not Determined     |
| <b>Autoignition Temperature (°C):</b>             | 204                |
| <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>             | Soluble            |
| <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     |

Molecular Weight (g/mole): 1,000,000  
 Decomposition Temperature (C): Not Determined

## 10. STABILITY AND REACTIVITY

**Stability Data:** Stable

**Hazardous Polymerization:** Will Not Occur

**Conditions to Avoid** None anticipated

**Incompatibility (Materials to Avoid)** Strong oxidizers.

**Hazardous Decomposition Products** Carbon monoxide and carbon dioxide.

**Additional Guidelines** Not Applicable

## 11. TOXICOLOGICAL INFORMATION

**Principle Route of Exposure** Eye or skin contact, inhalation.

### Symptoms related to exposure

#### **Acute Toxicity**

**Inhalation** May impede respiration.  
**Eye Contact** May cause mild eye irritation.  
**Skin Contact** None known.  
**Ingestion** None known.

**Chronic Effects/Carcinogenicity** No data available to indicate product or components present at greater than 0.1% are chronic health hazards.

### Toxicology data for the components

| Substances                                                                                                   | CAS Number | LD50 Oral         | LD50 Dermal       | LC50 Inhalation   |
|--------------------------------------------------------------------------------------------------------------|------------|-------------------|-------------------|-------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | No data available | No data available | No data available |

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicological Information**

#### Ecotoxicity Product

**Acute Fish Toxicity:** TLM96: 320-560 ppm (Oncorhynchus mykiss)  
**Acute Crustaceans Toxicity:** TLM96: > 75000 ppm (Mysidopsis bahia)  
**Acute Algae Toxicity:** Not determined

#### Ecotoxicity Substance

| Substances                                                                                                   | CAS Number | Toxicity to Algae        | Toxicity to Fish         | Toxicity to Microorganisms | Toxicity to Invertebrates |
|--------------------------------------------------------------------------------------------------------------|------------|--------------------------|--------------------------|----------------------------|---------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | No information available | No information available | No information available   | No information available  |

## 12.2. Persistence and degradability

| Substances                                                                                                   | CAS Number | Persistence and Degradability |
|--------------------------------------------------------------------------------------------------------------|------------|-------------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | No information available      |

## 12.3. Bioaccumulative potential

| Substances                                                                                                   | CAS Number | Log Pow                  |
|--------------------------------------------------------------------------------------------------------------|------------|--------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA         | No information available |

## 12.4. Mobility in soil

## 12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

| Substances                                                                                                   | PBT and vPvB assessment |
|--------------------------------------------------------------------------------------------------------------|-------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | Not applicable          |

## 12.6. Other adverse effects

No information available

## **13. DISPOSAL CONSIDERATIONS**

**Disposal Method** Bury in a licensed landfill according to federal, state, and local regulations.

**Contaminated Packaging** Follow all applicable national or local regulations.

## **14. TRANSPORT INFORMATION**

### Australia Dangerous Goods

**UN Number:** Not restricted  
**UN Proper Shipping Name:** Not restricted  
**Transport Hazard Class(es):** Not applicable  
**Packing Group:** Not applicable

### IMDG/IMO

**UN Number:** Not restricted  
**UN Proper Shipping Name:** Not restricted  
**Transport Hazard Class(es):** Not applicable  
**Packing Group:** Not applicable  
**Environmental Hazards:** Not applicable

### IATA/ICAO

**UN Number:** Not restricted  
**UN Proper Shipping Name:** Not restricted  
**Transport Hazard Class(es):** Not applicable  
**Packing Group:** Not applicable

**Special Precautions for User:** None

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

## **15. REGULATORY INFORMATION**

Chemical Inventories Chemical Inventories

|                                           |                                                            |
|-------------------------------------------|------------------------------------------------------------|
| <b>Australian AICS Inventory</b>          | All components listed on inventory or are exempt.          |
| <b>New Zealand Inventory of Chemicals</b> | All components listed on inventory or are exempt.          |
| <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 |
| <b>Classification</b>                     | Not Classified                                             |
| <b>Risk Phrases</b>                       | None                                                       |
| <b>Safety Phrases</b>                     | 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 Stewardship at 1-580-251-4335.

#### Disclaimer Statement

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