

**Safety Data Sheet**  
**(Australia)**  
According to the criteria of NOHSC:2011(2003)

Version: 1

Revision date: 21/Dec/2012

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

**Product name:** ClearFRAC Encapsulated Breaker J567

**Product code:** J567

**Company Identification:** Schlumberger Oilfield Australia Pty Ltd  
ABN: 74 002 459 225  
ACN: 002 459 225  
256 St. Georges Terrace, Perth WA 6000

**Emergency telephone number:** 1-800-039-008 (24hr)

**Use of the Substance/Preparation:** Used as a fracturing additive in oilfield applications.

**2. Hazards Identification**

**Indication of danger** The product is non-dangerous in accordance with Directive 1999/45/EC.

**Most Important Hazards**

**Health hazards:** May cause mechanical irritation to eyes.

**Environmental hazard:** NOT READILY BIODEGRADABLE.

**Main physical hazards:** None known.

**3. Composition/information on Ingredients**

component	CAS-No	EC-No.	Weight % - Range	Classification (67/548)
Sulfonated polystyrene		Listed	60 - 100	-

**4. First Aid Measures**

**Inhalation:** Move to fresh air.

**Skin contact:** Rinse with water.

**Eye contact:** Immediately flush eyes with water for 5 minutes while holding eyelids open. Seek medical attention if irritation occurs.

**Ingestion:** Rinse mouth. Seek medical attention if irritation occurs.

**Notes to physician:** none.

## 5. Fire-fighting Measures

**Suitable extinguishing media:** Compatible with all types.

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

**Special protective equipment for firefighters:** Wear protective fire fighting clothing and avoid breathing vapors. Use self-contained breathing apparatus in closed areas.

**Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:** Combustible material. When heated strongly or burned, oxides of carbon, sulfur oxides and harmful organic chemical fumes are released. Hydrogen chloride.

## 6. Accidental Release Measures

**Personal Precautions:** Wear suitable protective equipment. See also section 8.

**Environmental Precautions:** Keep out of waterways.

**Methods for cleaning up:** Shovel into suitable container for disposal.

## 7. Handling and Storage

### Handling:

**Technical measures/Precautions:** No special precautions required.  
**Safe handling advice:** Ensure adequate ventilation. Keep away from direct sunlight.

### Storage:

**Technical measures/Storage conditions:** Ensure adequate ventilation. Keep away from direct sunlight. Keep material dry.

**Packaging requirements:** Pail with resealable inner polyethylene bag.

**Incompatible products:** Oxidizing agents

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation.

- Engineering measures to reduce exposure:** Ensure adequate ventilation
- Respiratory protection:** No personal respiratory protective equipment normally required.
- Hand protection:** Cotton gloves
- Eye protection:** Tightly fitting safety goggles.
- Skin and body protection:** Clean, body-covering clothing.

**Environmental exposure controls**

**Exposure limit(s)**

component	Australia - Occupational Exposure Standards - TWAs	Australia - Occupational Exposure Standards - STELs
Sulfonated polystyrene	none	none

## 9. Physical and Chemical Properties

**General information**

- Form:** granules Polymer coating
- Odour:** Faint
- Colour:** Tan

**Important health, safety and environmental information**

- pH:** not applicable
- Boiling point/range:** Not applicable
- Flash Point:** Not applicable
- Explosive properties:**
  - Explosion data - sensitivity to mechanical impact:** None
  - Explosion data - sensitivity to static discharge:** None known
- Flammability Limits in Air:**
  - lower:** Not applicable
  - upper:** Not applicable
- Oxidizing properties:** None
- Relative density:** 1.72
- Bulk density:** No information available
- Solubility:**
  - Water solubility:** Soluble
  - Fat solubility:** No information available
- Partition coefficient (n-octanol/water):** No information available

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<b>Viscosity:</b>	Not applicable
<b>Vapor density:</b>	Not applicable
<b>Vapor pressure:</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable

**Other information**

<b>Melting point/range:</b>	No data available
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## 10. Stability and Reactivity

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	None known.
<b>Materials to avoid:</b>	Oxidizing agents
<b>Hazardous decomposition products:</b>	When heated strongly or burned, oxides of carbon, sulfur oxides and harmful organic chemical fumes are released. Hydrogen chloride.
<b>Hazardous polymerization:</b>	Hazardous polymerisation does not occur.

## 11. Toxicological Information

### Local effects

<b>skin:</b>	No effect expected.
<b>Eyes:</b>	May cause mechanical irritation.
<b>Inhalation:</b>	No effect expected.
<b>Ingestion:</b>	No effect expected.
<b>Sensitization - skin:</b>	No information available.
<b><u>Chronic Health Hazard:</u></b>	
<b>Carcinogenic effects:</b>	None known.
<b>Mutagenic effects:</b>	Not known to cause heritable genetic damage.
<b>Teratogenic effects:</b>	Not known to cause birth defects or have a deleterious effect on a developing fetus.
<b>Reproductive toxicity:</b>	Not known to adversely affect reproductive functions and organs.

## 12. Ecological Information

## Ecotoxicity

### Component Information

*Sulfonated polystyrene*

**Bioaccumulation:**

No information available

**Persistence and degradability:**

Not biodegradable

## 13. Disposal Considerations

**Waste from residues / unused products:** Dispose of as special waste in compliance with local and national regulations

**Contaminated packaging:** Send empty bags to sanitary landfill. Render other types of containers unuseable by puncturing or crushing and sanitary landfill unless prohibited by local regulations

## 14. Transport Information

**UN number:** Not classified as dangerous in the meaning of transport regulations  
**Shipping name:** Not regulated

### ADR/RID

**Class:** Not regulated

### IMDG/IMO

**Class or Div.:** Not regulated

### ICAO/IATA

**Class or Div.:** Not regulated

## 15. Regulatory Information

**In accordance with the criteria of NOHSC**

### **Indication of danger**

- The product is non-dangerous in accordance with Directive 1999/45/EC

### **R-phrases(s):**

- none

### **S-phrases(s):**

- Exercise reasonable care and cleanliness

## International Inventories

**Australia (AICS):**

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

<h2>16. Other Information</h2>
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**Prepared by:**

Chemical Regulatory Compliance

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**End of Safety Data Sheet**