

# Safety Data Sheet

(Australia)  
According to the criteria of NOHSC:2011(2003)

Version: 1

Revision date: 11/Jun/2012

## 1. Identification of the substance/preparation and of the Company/undertaking

**Product name:** Low Temperature Ball Sealer J554

**Product code:** J554

**Company Identification:** Schlumberger Oilfield Australia Pty Ltd  
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**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** Not classified.

**S-phrases(s):** Not classified

**Environmental hazard** Not classified.

**Main physical hazards:** Not classified.

**Special precautions:** Contaminated surfaces will be extremely slippery

## 3. Composition/information on Ingredients

Component	CAS-No	EC-No.	Weight % - range	Classification (67/548)
Aliphatic synthetic polymer		Listed	60 - 100	-

## 4. First aid measures

**Inhalation** Move to fresh air. Get medical attention if any discomfort continues.

**Skin contact** Wash off with soap and water.

**Eye contact** Rinse with plenty of water. Consult a doctor if necessary.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Seek medical attention.

## 5. Fire-fighting measures

**Suitable extinguishing media** Water Fog, Alcohol Foam, CO2, Dry Chemical.

**Extinguishing media which must not be used for safety reasons:** High volume water jet. Water spray.

**Special protective equipment for firefighters:** Wear protective fire fighting clothing and avoid breathing vapors.

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

## 6. Accidental release measures

**Personal precautions** No special precautions required. Slick when wet.

**Environmental precautions** Prevent further leakage or spillage. Keep out of waterways. Prevent entry into sewage.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal.

## 7. Handling and Storage

### Handling

**Technical measures/precautions** Ensure adequate ventilation.  
**Safe handling advice:** No special technical protective measures required. See also section 8.

### Storage

**Technical measures/Storage conditions:** Keep material dry.

**Packaging requirements:** Polyethylene bag or drum with polyethylene liner.

**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.

<b>Engineering measures to reduce exposure</b>	Ensure adequate ventilation, Control the source
<b>Respiratory protection:</b>	No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Suitable mask with particle filter P1 (BS EN 143).
<b>Hand protection</b>	Impervious gloves Neoprene PVC
<b>Eye protection</b>	It is good practice to wear goggles when handling any chemical.
<b>Skin and body protection</b>	Clean, body-covering clothing.

## Environmental exposure controls

### Exposure limit(s)

Component	Australia - Occupational Exposure Standards - TWAs	Australia - Occupational Exposure Standards - STELs
Aliphatic synthetic polymer	none	none

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

<b>Physical state</b>	granules
<b>Odour</b>	of vinegar Faint
<b>Colour</b>	off-white

### Important health, safety and environmental information

<b>pH:</b>	6-8
pH regulating agent	50 g/l
<b>Boiling point/range:</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Explosive properties:</b>	
Explosion data - sensitivity to mechanical impact	None known
Explosion data - sensitivity to static discharge	None known
<b>Flammability limits in air</b>	
lower:	Not applicable
upper:	Not applicable
<b>Oxidizing properties:</b>	None
<b>Relative density</b>	1.18
<b>Bulk density:</b>	Not applicable
<b>Solubility:</b>	
Water solubility:	Gels on contact with water.
Fat solubility:	No information available
<b>Partition coefficient (n-octanol/water):</b>	No information available

<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

**Melting point/range:** > 150 °C

## 10. Stability and Reactivity

<b>Stability:</b>	Stable at normal conditions.
<b>Conditions to Avoid:</b>	Keep away from heat and sources of ignition. Keep material dry.
<b>Materials to avoid:</b>	Oxidizing agents
<b>Hazardous decomposition products:</b>	When heated strongly or burned, oxides of carbon and harmful organic chemical fumes are released.
<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>	Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
<b>Ingestion:</b>	Accidental ingestion of small amounts is not expected to cause adverse effects. Swallowing large amounts may be harmful.
<b>Sensitization - skin:</b>	Not known to cause allergic reaction.
<b>Sensitization - lung:</b>	Not known to cause allergic reaction
<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.
<b>Target Organ Effects:</b>	None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Component Information

*Aliphatic synthetic polymer*

**Bioaccumulation:**

Does not bioaccumulate

**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-phras(e)s:**

- Not classified

#### **S-phras(e)s:**

- Not classified

#### International inventories

**Australia (AICS)**

Complies

## 16. OTHER INFORMATION

**Section(s) revised:** MSDS fully updated in the new database.

**Prepared by** Chemical Regulatory Compliance

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**End of Safety Data Sheet**