

# MATERIAL SAFETY DATA SHEET

**Product Trade Name:** **POTASSIUM FORMATE**

**Revision Date:** 16-Oct-2012

## **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/Baroid 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  
New Zealand: 06-7559274

**Fire, Police & Ambulance - Emergency Telephone**  
Australia: 000  
Papua New Guinea: 000  
New Zealand: 111

### **Identification of Substances or Preparation**

**Product Trade Name:** POTASSIUM FORMATE

**Synonyms:** None

**Chemical Family:** Organic Salt

**UN Number:** None

**Dangerous Goods Class:** None

**Subsidiary Risk:** None

**Hazchem Code:** None Allocated

**Poisons Schedule:** None Allocated

**Application:** Additive

**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 formate | 590-29-4   | 60 - 100% | Not applicable     | Not applicable     | Not applicable |

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

**3. HAZARDS IDENTIFICATION**

**Hazard Overview** May cause mild eye, skin, and respiratory 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, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**Ingestion** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Notes to Physician** 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.

**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. Avoid creating and breathing dust.

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

**Procedure for Cleaning / Absorption** Scoop up and remove.

**7. HANDLING AND STORAGE**

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

**Storage Information** Store in a cool well ventilated area. Keep container closed when not in use.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls** A well ventilated area to control dust levels.

|                               |  |
|-------------------------------|--|
| <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>      | Eyewash fountains and safety showers must be easily accessible.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                |
|--|----------------|
| <b>Physical State:</b>                                       | Solid          |
| <b>Color:</b>  | White          |
| <b>Odor:</b>   | Odorless       |
| <b>pH:</b>   | Not Determined |
| <b>Specific Gravity @ 20 C (Water=1):</b>                    | Not Determined |
| <b>Density @ 20 C (kg/l):</b>                                | 1.39           |
| <b>Bulk Density @ 20 C (kg/m<sup>3</sup>):</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>                         | Not Determined |
| <b>Flammability Limits in Air - Lower (g/m<sup>3</sup>):</b> | Not Determined |
| <b>Flammability Limits in Air - Lower (%):</b>               | Not Determined |
| <b>Flammability Limits in Air - Upper (g/m<sup>3</sup>):</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 |
| <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.                   |
| <b>Hazardous Decomposition Products</b>     | Carbon monoxide and carbon dioxide. |
| <b>Additional Guidelines</b>                | Not Applicable                      |

## 11. TOXICOLOGICAL INFORMATION

|   |  |
|---|--|
| <b>Principle Route of Exposure</b>            | Eye and skin contact.  |
| <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.  |
| <b>Aggravated Medical Conditions</b>          | Skin disorders.  |
| <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>                         | LD50: 5500 mg/kg (Rat)   |
| <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> | BOD(28 Day): 90% of COD |
| <b>Bio-accumulation</b>          | Not determined          |

### Ecotoxicological Information

|                                    |                |
|------------------------------------|----------------|
| <b>Acute Fish Toxicity:</b>        | Not determined |
| <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

#### Australian AICS Inventory

All components listed on inventory or are exempt.

#### New Zealand Inventory of Chemicals

This product does not comply with NZIOC

#### US TSCA Inventory

All components listed on inventory or are exempt.

#### EINECS Inventory

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.

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