

Product Trade Name: TITRATING SOLUTIONS, TOTAL HARDNESS (50702,

50707, 50709)

Revision Date: 20-Dec-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 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: TITRATING SOLUTIONS, TOTAL HARDNESS (50702, 50707, 50709)

Synonyms: None

Chemical Family: Not applicable

UN Number: None Dangerous Goods Class: None Subsidiary Risk: None

Hazchem Code:None AllocatedPoisons Schedule:None AllocatedApplication:Titration Solution

Prepared By Chemical Compliance

Telephone: 1-580-251-4335

e-mail: fdunexchem@halliburton.com

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	CAS Number	PERCENT	Australia NOHSC	New Zealand WES	ACGIH TLV-TWA
This product does not contain any components in	Mixture	60 - 100%	Not applicable	Not applicable	Not applicable
concentrations greater than 1% other than water.					

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

#### HAZARDS IDENTIFICATION

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

**Risk Phrases** None

**HSNO Classification** Not Determined

## FIRST AID MEASURES

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation Inhalation

develops or if breathing becomes difficult.

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

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes **Eyes** 

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

## FIRE FIGHTING MEASURES

All standard fire fighting media Suitable Extinguishing Media

Extinguishing media which must None known.

not be used for safety reasons

**Special Exposure Hazards** Not applicable.

Fire-Fighters

Special Protective Equipment for Full protective clothing and approved self-contained breathing apparatus required for

fire fighting personnel.

## **ACCIDENTAL RELEASE MEASURES**

Personal Precautionary Measures Use appropriate protective equipment.

**Environmental Precautionary** 

**Measures** 

None known.

**Procedure for Cleaning /** 

**Absorption** 

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials.

Scoop up and remove.

## HANDLING AND STORAGE

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

**Storage Information** Store away from oxidizers. Store in a cool well ventilated area. Keep container

closed when not in use.

#### **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls** None known. **Respiratory Protection** Not normally necessary.

Hand Protection Impervious rubber gloves.

**Skin Protection** Normal work coveralls.

**Eye Protection** Chemical goggles; also wear a face shield if splashing hazard exists.

Other Precautions None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Clear colorless
Odor: Odorless
pH: Not Determined

Specific Gravity @ 20 C (Water=1): 1.02

Density @ 20 C (kg/l): 1.02

Bulk Density @ 20 C (kg/m³): Not Determined **Boiling Point/Range (C):** Not Determined Freezing Point/Range (C): Not Determined Pour Point/Range (C): Not Determined Flash Point/Range (C): Not Determined **Flash Point Method:** Not Determined **Autoignition Temperature (C):** Not Determined Flammability Limits in Air - Lower (g/m³): Not Determined Flammability Limits in Air - Lower (%): Not Determined Flammability Limits in Air - Upper (g/m³): Not Determined Flammability Limits in Air - Upper (%): Not Determined

Vapor Pressure @ 20 C (mmHg): 14 Vapor Density (Air=1): 0.7

Percent Volatiles: Not Determined

**Evaporation Rate (Butyl Acetate=1):** < 1 **Solubility in Water (g/100ml):** Soluble

Solubility in Solvents (g/100ml):

VOCs (g/l):

Viscosity, Dynamic @ 20 C (centipoise):

Viscosity, Kinematic @ 20 C (centistokes):

Partition Coefficient/n-Octanol/Water:

Molecular Weight (g/mole):

Decomposition Temperature (C):

Not Determined

Not Determined

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** 

Oxides of nitrogen. Carbon monoxide and carbon dioxide.

Additional Guidelines Not Applicable

## 11. TOXICOLOGICAL INFORMATION

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

Sympotoms related to exposure

**Inhalation** May cause mild respiratory irritation.

Skin Contact May cause mild skin irritation.

Eye Contact May cause mild eye irritation.

**Ingestion** Irritation of the mouth, throat, and stomach.

Aggravated Medical Conditions None known.

Chronic Effects/Carcinogenicity No data available to indicate product or components present at greater than 1% are

chronic health hazards.

Other Information None known.

**Toxicity Tests** 

Oral Toxicity: Not determined

**Dermal Toxicity:** Not determined

Inhalation Toxicity: Not determined

**Primary Irritation Effect:** Not determined

Carcinogenicity Not determined

**Genotoxicity:** Not determined

Reproductive /

**Developmental Toxicity:** 

Not determined

#### 12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air) Not determined

Persistence/Degradability Not determined

Bio-accumulation Not determined

## **Ecotoxicological Information**

Acute Fish Toxicity: Not determined Acute Crustaceans Toxicity: Not determined Acute Algae Toxicity: Not determined

Chemical Fate InformationNot determinedOther InformationNot applicable

#### 13. DISPOSAL CONSIDERATIONS

**Disposal Method**Disposal should be made in accordance with federal, state, and local regulations.

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

## 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 New Zealand Inventory of** 

Chemicals

**US TSCA Inventory EINECS Inventory** 

All components listed on inventory or are exempt.

This product does not comply with NZIOC

All components listed on inventory or are exempt.

This product, and all its components, complies with EINECS

Classification Not Classified

**Risk Phrases** None

**Safety Phrases** None

#### 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\*\*\*