

Product Trade Name: SULFURIC ACID SOLUTION 5N (51331, 51332, 51333,

51334, 51335)

Revision Date: 19-Apr-2012

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE

COMPANY/UNDERTAKING

Statement of Hazardous Nature Hazardous according to the criteria of NOHSC, 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: SULFURIC ACID SOLUTION 5N (51331, 51332, 51333, 51334, 51335)

Synonyms: None

Chemical Family: Inorganic acid
UN Number: , UN2796

Dangerous Goods Class:8Subsidiary Risk:NoneHazchem Code:2P

Poisons Schedule: None Allocated Application: Reagent

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
Sulfuric acid	7664-93-9	10 - 30%	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 1 mg/m ³	TWA: 0.2 mg/m ³

Non-Hazardous Substance to Total of 100%

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HAZARDS IDENTIFICATION

Hazard Overview May cause eye and skin burns. May cause respiratory irritation. May be harmful if

swallowed. Potential carcinogen.

Risk Phrases R35 Causes severe burns.

HSNO Classification Not Determined

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 In case of contact, immediately flush skin with plenty of soap and water for at least 15

minutes. Get medical attention. Remove contaminated clothing and launder before

reuse.

In case of contact, or suspected contact, immediately flush eyes with plenty of water Eyes

for at least 15 minutes and get medical attention immediately after flushing.

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek Ingestion

medical attention. Never give anything by mouth to an unconscious person.

Notes to Physician Not Applicable

FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water fog, carbon dioxide, foam, dry chemical.

not be used for safety reasons

Extinguishing media which must Water must not be used with open containers.

Use water spray to cool fire exposed surfaces. Do not allow runoff to enter **Special Exposure Hazards**

waterways. Decomposition in fire may produce toxic gases.

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

Prevent from entering sewers, waterways, or low areas.

Procedure for Cleaning /

Absorption

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

Neutralize with lime slurry, limestone, or soda ash. Scoop up and remove.

HANDLING AND STORAGE

Handling Precautions Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after

use. Launder contaminated clothing before reuse.

Storage Information Store away from alkalis. Store in a cool well ventilated area. Keep container closed

when not in use.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls Use in a well ventilated area. Local exhaust ventilation should be used in areas

without good cross ventilation.

Respiratory Protection Acid gas respirator.

Hand Protection Impervious rubber gloves.

Skin Protection Rubber apron.

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

Other Precautions Eyewash fountains and safety showers must be easily accessible.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Clear colorless Odor: Odorless

pH:

Specific Gravity @ 20 C (Water=1): Density @ 20 C (kg/l): Not Determined Not Determined Bulk Density @ 20 C (kg/m³): Not Determined **Boiling Point/Range (C):** Freezing Point/Range (C): Not Determined Pour Point/Range (C): Not Determined Flash Point/Range (C): Not Determined Not Determined Flash Point Method: **Autoignition Temperature (C):** Not Determined Flammability Limits in Air - Lower (g/m³): Not Determined Not Determined Flammability Limits in Air - Lower (%): Flammability Limits in Air - Upper (g/m³): Not Determined Flammability Limits in Air - Upper (%): Not Determined Vapor Pressure @ 20 C (mmHg): Not Determined Vapor Density (Air=1): Not Determined **Percent Volatiles:** Not Determined **Evaporation Rate (Butyl Acetate=1):** Not Determined

Solubility in Water (g/100ml): Soluble

Solubility in Solvents (g/100ml): Not Determined Not Determined VOCs (g/l): Not Determined Viscosity, Dynamic @ 20 C (centipoise): Viscosity, Kinematic @ 20 C (centistokes): Not Determined Partition Coefficient/n-Octanol/Water: Not Determined Molecular Weight (g/mole): Not Determined **Decomposition Temperature (C):** Not Determined

STABILITY AND REACTIVITY

Stability Data: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid None anticipated

Incompatibility (Materials to

Strong alkalis. Reducing agents. Alcohols. Aldehydes. Acrylates. Prolonged contact

with aluminum, lead, or zinc may liberate flammable hydrogen.

Not Determined

Hazardous Decomposition

Products

Avoid)

Oxides of sulfur. Toxic fumes.

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Additional Guidelines Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure Eye or skin contact, inhalation.

Sympotoms related to exposure

Inhalation Causes severe respiratory irritation.

Skin Contact Causes severe burns.

Eye Contact Causes severe eye burns.

Ingestion Causes burns of the mouth, throat and stomach.

Aggravated Medical Conditions Skin disorders.

Chronic Effects/Carcinogenicity Contains sulfuric acid, a potential carcinogen. Prolonged, excessive exposure may

cause erosion of the teeth.

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 Readily biodegradable

Bio-accumulation Not determined

Ecotoxicological Information

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

Chemical Fate Information Not determined

Other Information Not applicable

13. DISPOSAL CONSIDERATIONS

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

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Contaminated Packaging

Follow all applicable national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation

ADR

UN2796, Sulfuric Acid Solution, 8, II

Air Transportation

ICAO/IATA

UN2796, Sulfuric Acid Solution, 8, II

Sea Transportation

IMDG

UN2796, Sulfuric Acid Solution, 8, II EmS F-A, S-B

Other Transportation Information

Labels: Corrosive

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. All components listed on inventory or are exempt.

All components listed on inventory or are exempt.

This product, and all its components, complies with EINECS

Classification C - Corrosive.

Risk Phrases R35 Causes severe burns.

Safety Phrases S26 In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

S30 Never add water to this product.

S45 In case of accident or if you feel unwell, seek medical advice immediately.

S1/2 Keep locked up and out of reach of children.

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.

Disclaimer Statement This information is furnished without warranty, expressed or implied, as to accuracy

or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of

the user.

END OF MSDS