

SAFETY DATA SHEET

CALIBRATION FLUID 500 cP (28695)

Revision Date: 21-Jan-2016

Revision Number: 11

1. Product and Company Identification

Product Name**Product Trade Name:** CALIBRATION FLUID 500 cP (28695)**Other Names****Synonyms:** None**Product Code:** HM004663**Recommended Use****Recommended Use** Calibration material**Uses Advised Against** No information available**Company Name, Address and Contact Details****Manufacturer/Supplier** Halliburton New Zealand
1 Paraite Rd,
Bell Block, New Plymouth
New Zealand Registration No.: 824207**E-Mail address:** fdunexchem@halliburton.com**Emergency Telephone Number** +64 800 451719**New Zealand National Poisons
Centre** 0800 764 766 (24 hours)

2. Hazard(s) Identification

Statement of Hazardous NatureClassified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulation 2001;
Not Classified as dangerous good according to NZS 5433:2012, UN, IMDG or IATA**Classification**

9.4A Very ecotoxic to terrestrial invertebrates

Hazard and Precautionary Statements**Hazard Pictograms****Signal Word** Warning**Hazard Statements** H441 - Very toxic to the terrestrial invertebrates.**Precautionary Statements****Prevention** P103 - Read label before use
P104 - Read Safety Data Sheet before use.
P273 - Avoid release to the environment**Response** P391 - Collect spillage**Storage** None**Disposal** P501 - Dispose of contents/container in accordance with
local/regional/national/international regulations**Contains**

Substances	CAS Number	Substance HSNO Classification
Silicone fluid	Proprietary	9.4B

2.3. Other Hazards

None known

3. Composition and Information on Ingredients

Substances	CAS Number	PERCENT (w/w)
Silicone fluid	Proprietary	60 - 100%

4. First-Aid Measures

Requirements for First Aid or Medical Care

Inhalation	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Skin	Wash with soap and water.
Ingestion	Under normal conditions, first aid procedures are not required.

Workplace Facilities Required

None

Relation to Health Effect**Most Important Symptoms/Effects**

No significant hazards expected.

Medical Attention and Special Treatment**Notes to Physician**

Treat symptomatically

5. Fire-fighting measures

Type of Hazard**Flammability Hazard**

Non-flammable

5.1. Extinguishing media**Suitable Extinguishing Media**

Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons

None known.

HAZCHEM Code

Hazchem Code: None Allocated

Special Protective Equipment and Precautions for Fire Fighters**Special Protective Equipment for Fire-Fighters**

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

Special Exposure Hazards

Decomposition in fire may produce harmful gases.

6. Spillage, Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment.
See Section 8 for additional information

6.2. Environmental precautions

Prevent from entering sewers, waterways, or low areas.

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

See Section 8 and 13 for additional information.

7. Handling and storage

7.1. Precautions for Safe Handling

Handling Precautions

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors.

Handling Practices

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

Approved Handlers

This product does NOT require an approved handler.

7.2. Conditions for safe storage, including any incompatibilities

Store away from oxidizers. Store in a cool, dry location.

Store Site Requirements

No special controls required

Packaging

No special packaging required

8. Exposure Controls and Personal Protection

Workplace Exposure Standards

Exposure Limits

Substances	CAS Number	New Zealand WES	ACGIH TLV-TWA
Silicone fluid	Proprietary	Not applicable	Not applicable

Engineering Controls

Engineering Controls Use in a well ventilated area.

Personal Protective Equipment (PPE)

Respiratory Protection Not normally necessary.

Hand Protection

Normal work gloves.

Skin Protection

Normal work coveralls.

Eye Protection

Wear safety glasses or goggles to protect against exposure.

Other Precautions

None known.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State: Not determined

Color: Clear colorless

Odor: Odorless

Odor Threshold: No information available

Property

Values

Remarks/ - Method

pH:

No data available

Freezing Point/Range

No data available

Melting Point/Range

No data available

Boiling Point/Range

No data available

Flash Point

321 °C / 610 °F PMCC

Evaporation rate

No data available

Vapor Pressure

No data available

Vapor Density

No data available

Specific Gravity

0.97

Water Solubility

No data available

Solubility in other solvents

No data available

Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	500 cps @ 20 C
Explosive Properties	No information available
Oxidizing Properties	No information available

9.2. Other information

VOC Content (%)	No data available
Liquid Density	0.97 kg/l @ 20 C

10. Stability and Reactivity

10.2. Chemical Stability

Stable

10.4. Conditions to Avoid

None anticipated

10.5. Incompatible Materials

Strong oxidizers.

10.6. Hazardous Decomposition Products

Silicon dioxide. Formaldehyde. Hydrocarbons. Carbon monoxide and carbon dioxide.

Hazardous Reactions**Hazardous Polymerization:** Will Not Occur

11. Toxicological Information

Health Effect from Likely Routes of Exposure**Acute Toxicity**

Inhalation	May cause mild respiratory irritation.
Eye Contact	May cause eye irritation.
Skin Contact	None known.
Ingestion	Swallowing a relatively large amount of this material is unlikely to produce serious illness or death.

Chronic Effects/Carcinogenicity

No data available to indicate product or components present at greater than 0.1% are chronic health hazards.

Toxicity Data**Toxicology data for the components**

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Silicone fluid	Proprietary	24 g/kg (Rat) 17 g/kg (Rat)	2 g/kg (Rabbit)	No data available

12. Ecological Information

12.1. Toxicity**Ecotoxicity Effects**

Product Ecotoxicity Data

No data available

Substance Ecotoxicity Data

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Silicone fluid	Proprietary	No information available	No information available	No information available	No information available

12.2. Persistence and degradability

Substances	CAS Number	Persistence and Degradability
Silicone fluid	Proprietary	

12.3. Bioaccumulative potential

Substances	CAS Number	Log Pow
Silicone fluid	Proprietary	No data available

12.4. Mobility in soil

Substances	CAS Number	Mobility
Silicone fluid	Proprietary	No information available

Ecotoxicity Hazard Statements

Very toxic to terrestrial invertebrates.

12.6. Other adverse effects**Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors

13. Disposal Considerations**13.1. Waste treatment methods****Disposal Method****Contaminated Packaging**

Disposal should be made in accordance with federal, state, and local regulations. Follow all applicable national or local regulations. Contaminated packaging may be disposed of by: rendering packaging incapable of containing any substance, or treating packaging to remove residual contents, or treating packaging to make sure the residual contents are no longer hazardous, or by disposing of packaging into commercial waste collection.

14. Transport Information**IMDG/IMO**

UN Number:	Not restricted
UN Proper Shipping Name:	Not restricted
Transport Hazard Class(es):	Not applicable
Packing Group:	Not applicable
Environmental Hazards:	Not applicable

NZ 5433.1999

UN Number:	Not restricted
UN Proper Shipping Name:	Not restricted
Transport Hazard Class(es):	Not applicable
Packing Group:	Not applicable

IATA/ICAO

UN Number:	Not restricted
UN Proper Shipping Name:	Not restricted
Transport Hazard Class(es):	Not applicable
Packing Group:	Not applicable

Special Precautions for User: None**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable**15. Regulatory Information**

New Zealand Inventory of Chemicals	All components are listed on the AICS or are subject to a relevant exemption, permit, or assessment certificate.
HSNO Approval Number	HSR003036
Group Name	Not Applicable
HSNO Controls	Refer to the NZ EPA website for more information: http://www.epa.govt.nz
Approved Handlers	Not Applicable
Poisons Schedule:	None Allocated

16. Other information

The following sections have been revised since the last issue of this SDS

Not applicable

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 Stewardship at 1-580-251-4335.

Key or legend to abbreviations and acronyms

bw – body weight CAS – Chemical Abstracts Service EC50 – Effective Concentration 50% LC50 – Lethal Concentration 50% LD50 – Lethal Dose 50% LL50 – Lethal Loading 50% MARPOL – International Convention for the Prevention of Pollution from Ships mg/kg – milligram/kilogram mg/L – milligram/liter NOEC – No Observed Effect Concentration OEL – Occupational Exposure Limit ppm – parts per million TWA – Time-Weighted Average VOC – Volatile Organic Carbon C – Celsius IATA/ICAO – International Air Transport Association / International Civil Aviation Organization IMDG/IMO – International Maritime Dangerous Goods / International Maritime Organization mg/m³ – milligram/cubic meter mm – millimeter mmHg – millimeter mercury w/w – weight/weight d – day

Key literature references and sources for data

www.ChemADVISOR.com/
NZ CCID

Revision Date: 21-Jan-2016

Revision Note

SDS sections updated:

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Disclaimer Statement

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End of Safety Data Sheet