

SAFETY DATA SHEET**CALIBRATION FLUID 20 cP (28691)**

Revision Date: 30-Sep-2015

Revision Number: 11

1. Product Identifier & Identity for the Chemical

Statement of Hazardous Nature Non-Hazardous according to the criteria of the 3rd Revised Edition of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS), Non-Dangerous Goods according to the criteria of ADG.

1.1. Product Identifier

Product Name CALIBRATION FLUID 20 cP (28691)

Other means of Identification

Synonyms: None
Product Code: HM004659

Recommended use of the chemical and restrictions on use

Recommended Use Calibration material
Uses Advised Against No information available

Supplier's name, address and phone number

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: + 61 1 800 686 951
Papua New Guinea: + 61 1 800 686 951
NewZealand: +64 800 451719

Fire, Police & Ambulance - Emergency Telephone

Australia: 000
Papua New Guinea: 000
New Zealand: 111

E-Mail address: fdunexchem@halliburton.com

Emergency phone number

+ 61 1 800 686 951

Australian Poisons Information Centre

24 Hour Service: - 13 11 26
Police or Fire Brigade: - 000 (exchange): - 1100

2. Hazard Identification

Statement of Hazardous Nature Non-Hazardous according to the criteria of the 3rd Revised Edition of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS), Non-Dangerous Goods according to the criteria of ADG.

Classification of the hazardous chemical

Not classified

Label elements, including precautionary statements**Hazard Pictograms****Signal Word** Not Hazardous**Hazard Statements** Not Classified**Precautionary Statements****Prevention** None**Response** None**Storage** None**Disposal** None**Contains Substances**

Contains no hazardous substances in concentrations above cut-off values according to the competent authority

CAS Number

NA

Other hazards which do not result in classification

None known

Australia Classification*For the full text of the H-phrases mentioned in this Section, see Section 16***Classification** Not Classified**Risk Phrases** None**3. Composition/information on Ingredients**

| Substances | CAS Number | PERCENT (w/w) | GHS Classification - Australia |
|--|------------|---------------|--------------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | 60 - 100% | Not Applicable |

4. First aid measures**Description of necessary first aid measures****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.**Symptoms caused by exposure**

No significant hazards expected.

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

5. Fire Fighting Measures

Suitable extinguishing equipment

Suitable Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons

None known.

Specific hazards arising from the chemical

Special Exposure Hazards

Decomposition in fire may produce harmful gases.

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.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment.

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.

7. Handling and storage

7.1. Precautions for Safe Handling

Handling Precautions

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

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Information

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

Other Guidelines

No information available

8. Exposure Controls/Personal Protection

Control parameters - exposure standards, biological monitoring

Exposure Limits

| Substances | CAS Number | Australia NOHSC | ACGIH TLV-TWA |
|--|------------|-----------------|----------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | Not applicable | Not applicable |

Appropriate 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. |
| Environmental Exposure Controls | No information available |

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 |

| <u>Property</u> | <u>Values</u> |
|---|--------------------------|
| 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 | No data available |
| Explosive Properties | No information available |
| Oxidizing Properties | No information available |

9.2. Other information

| | |
|------------------------|-------------------|
| VOC Content (%) | No data available |
|------------------------|-------------------|

10. Stability and Reactivity

10.1. Reactivity

Not expected to be reactive.

10.2. Chemical Stability

Stable

10.3. Possibility of Hazardous Reactions

Will Not Occur

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.

11. Toxicological Information

Information on routes of exposure

| | |
|------------------------------------|----------------------------------|
| Principle Route of Exposure | Eye or skin contact, inhalation. |
|------------------------------------|----------------------------------|

Symptoms related to exposure

Most Important Symptoms/Effects

No significant hazards expected.

Numerical measures of toxicity

Toxicology data for the components

| Substances | CAS Number | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|--|------------|-------------------|-------------------|-------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | No data available | No data available | No data available |

Immediate, delayed and chronic health effects from exposure

| | |
|---------------------|--|
| Inhalation | May cause mild respiratory irritation. |
| Eye Contact | May cause mild 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.

Exposure Levels

No data available

Interactive effects

None known.

Data limitations

No data available

| Substances | CAS Number | Skin corrosion/irritation |
|--|------------|---------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | Not applicable. |

| Substances | CAS Number | Eye damage/irritation |
|--|------------|-----------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | Not applicable. |

| Substances | CAS Number | Skin Sensitization |
|--|------------|--------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | Not applicable |

| Substances | CAS Number | Respiratory Sensitization |
|--|------------|---------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | Not applicable |

| Substances | CAS Number | Mutagenic Effects |
|--|------------|-------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | Not applicable |

| Substances | CAS Number | Carcinogenic Effects |
|-------------------------------------|------------|----------------------|
| Contains no hazardous substances in | NA | Not applicable |

| | | |
|--|--|--|
| concentrations above cut-off values according to the competent authority | | |
|--|--|--|

| Substances | CAS Number | Reproductive toxicity |
|--|------------|-----------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | Not applicable |

| Substances | CAS Number | STOT - single exposure |
|--|------------|------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | Not applicable |

| Substances | CAS Number | STOT - repeated exposure |
|--|------------|--------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | Not applicable |

| Substances | CAS Number | Aspiration hazard |
|--|------------|-------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | Not applicable |

12. Ecological Information

Ecotoxicity

Product Ecotoxicity Data

No data available

Substance Ecotoxicity Data

| Substances | CAS Number | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Toxicity to Invertebrates |
|--|------------|--------------------------|--------------------------|----------------------------|---------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | No information available | No information available | No information available | No information available |

12.2. Persistence and degradability

| Substances | CAS Number | Persistence and Degradability |
|--|------------|-------------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | No information available |

12.3. Bioaccumulative potential

| Substances | CAS Number | Log Pow |
|--|------------|--------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | No information available |

12.4. Mobility in soil

| Substances | CAS Number | Mobility |
|--|------------|--------------------------|
| Contains no hazardous substances in concentrations above cut-off values according to the competent authority | NA | No information available |

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

This product does not contain any known or suspected endocrine disruptors

13. Disposal Considerations**Safe handling and disposal methods**

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

Disposal of any contaminated packaging

Follow all applicable national or local regulations.

Environmental regulations

Not applicable

14. Transport Information**Transportation Information**

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

Special precautions during transport

None

HazChem Code

None Allocated

15. Regulatory Information**Safety, health and environmental regulations specific for the product****International Inventories**

| | |
|------------------------------------|--|
| Australian AICS Inventory | All components listed on inventory or are exempt. |
| New Zealand Inventory of Chemicals | All components listed on inventory or are exempt. |
| EINECS Inventory | This product, and all its components, complies with EINECS |
| US TSCA Inventory | All components listed on inventory or are exempt. |
| Canadian DSL Inventory | All components listed on inventory or are exempt. |

Poisons Schedule number

None Allocated

16. Other information**Date of preparation or review**

Revision Date: 30-Sep-2015

Revision Note

SDS sections updated: 2

Full text of R-phrases referred to under Sections 2 and 3

None

Full text of H-Statements referred to under sections 2 and 3

None

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 abbreviations or acronyms used

bw – body weight CAS – Chemical Abstracts Service EC50 – Effective Concentration 50% LC50 – Lethal Concentration 50% LD50 – Lethal Dose 50% LL50 – Lethal Loading 50% mg/kg – milligram/kilogram mg/L – milligram/liter NOEC – No Observed Effect Concentration OEL – Occupational Exposure Limit PBT – Persistent Bioaccumulative and Toxic ppm – parts per million STEL – Short Term Exposure Limit TWA – Time-Weighted Average vPvB – very Persistent and very Bioaccumulative h - hour 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/

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End of Safety Data Sheet