



Safety Data Sheet

1. MATERIAL AND SUPPLIER IDENTIFICATION

Product Name	Biodraulic 46
Product Code	40002 (205L), 42002 (20L)
Product Use	Readily biodegradable, fire resistant hydraulic fluid
Issue Date	August 2021
Company Name	Gulf Western Oil
Company Address	92 – 96 Links Rd St Marys NSW 2760 Australia
Telephone number / Fax	(02) 9673 9600 (phone) / (02) 9673 9696 (fax)
Emergency Telephone number	(02) 9673 9600 (business hours) or 131 126 (Poisons Information Centre)
Other Information	Not applicable

2. HAZARDS IDENTIFICATION

Classification

Classified as NOT HAZARDOUS according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including the criteria of Worksafe Australia.

Signal Word: Not applicable (non-hazardous)

Symbol(s): Not applicable (non-hazardous)

Hazard Statements: Not applicable. No known significant effects or critical hazards.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition information

INGREDIENT NAME	CAS NO.	WEIGHT
Components determined to be non-hazardous	N/A	100%



Safety Data Sheet

4. FIRST AID MEASURES

Inhaled

Remove the source of contamination or move the victim to fresh air. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.

Ingestion

Do NOT induce vomiting. Wash out mouth with water. Seek medical attention.

Skin

Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

Eye

If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.

First Aid Facilities

Eye wash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Use carbon dioxide, dry chemical, foam or water mist

Specific Hazards

Combustible C2 liquid. This product will burn if exposed to fire.

Hazardous Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes.

Precautions

Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Minimise skin contact. Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation.



Safety Data Sheet

Precautions To Protect The Environment

If possible contain the spill. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Spill Clean up Procedures

Keep all sources of ignition and hot metal surfaces away from spill. Avoid contact with eyes or skin. Place leaking containers in well ventilated area. If fire potential exists, blanket spill with foam or use water spray to disperse vapours. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean up spill, flush area sparingly with water or use absorbent material. Avoid discharge to natural waterways.

7. HANDLING AND STORAGE

Corrosiveness

Not corrosive.

Handling

Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in mists or vapours. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. Wear appropriate protection. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.

Storage

Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in mists or vapours. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. Wear appropriate protection. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Worksafe exposure standard:-

Time Weighted Average (TWA)	N/A	N/A
Short Term Exposure Limit (STEL)	N/A	N/A

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be



Safety Data Sheet

required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection

Safety glasses with side shields or chemical goggles as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material such as rubber or PVC gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection

Suitable work wear should be worn to protect personal clothing. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

Engineering controls

Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Description	Clear, amber liquid.
Solubility in Water	Insoluble
Specific Gravity	0.92 g/mL
Viscosity	46 cSt at 40°C
Fire Point	350°C
Flash Point	294°C
Flammability	Not flammable

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Hazardous Polymerization

Will not occur.

Materials to Avoid

Strong oxidizing agents.



Safety Data Sheet

Hazardous Decomposition Products

Thermal decomposition and burning may yield carbon monoxide, carbon dioxide, sulphur oxides and nitrous oxides.

Hazardous Reaction

Hazardous reaction with strong oxidizing agents

Conditions to Avoid

Direct sunlight, open flames or other sources of ignition. Avoid contact with acids and oxidizing substances.

11. TOXICOLOGICAL INFORMATION

Toxicological Information

No toxicity data is available for this material. Data available on the individual components show that no chronic health risks are expected during normal handling.

Inhalation

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Skin

May cause irritating in contact with skin. Symptoms may include redness and itchiness.

Eye

May cause irritation to eyes. Symptoms may include redness, tearing, stinging and blurred vision.

Chronic Effects

Prolonged or repeated skin contact may cause defatting leading to dermatitis.

12. ECOLOGICAL INFORMATION

This product is classified as Readily Biodegradable.

Environmental Protection

Prevent this material from entering the environment.

Ecotoxicity

No data is available for this specific product.

Persistence / Degradability

This product has been tested and found to have a minimum of 97% biodegradability.

Mobility

No data is available for this specific product.



Safety Data Sheet

Bioaccumulation

No data is available for this specific product. Not expected to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Extinguish or remove all sources of ignition and stop leak if safe to do so. Contain the spill with sand or earth or absorb with absorbent material. Collect the material and place into a suitably sealed and labeled container. Do not allow the product to enter drains, sewers or water courses. If large quantities of this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority. Recycle container if authorities permit it and facilities are available.

14. TRANSPORT INFORMATION

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

Poisons Schedule

Not a poison

Australian Inventory of Chemical Substances (AICS) and New Zealand Inventory of Chemicals (NZIoC)

All individual components are registered on the Australian and New Zealand Inventory of Chemical Substances

16. OTHER INFORMATION

Contact Person

For information concerning details on this Safety Data Sheet contact the Technical Manager on the following number:

(02) 9673 9600 (business hours)

0417 244 439 (after hours)

General Disclaimer

All reasonable care has been taken to ensure that the information and advice contained herein are accurate at the time of printing. Gulf Western Oil however accepts no liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

History

This Safety Data Sheet prepared in February 2017

May 2018 – 24hr emergency contact details added

August 2021 – updated flash/fire point values



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3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition information

<u>Ingredient</u>	<u>CAS #</u>	<u>Proportion</u>
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Safety Data Sheet

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Flash Point	296°C
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Mobility

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