

# SAFETY DATA SHEET

## CALIBER BIUE EP 2

Infosafe No.: LQA97  
ISSUED Date : 23/06/2020  
ISSUED by: Industrial Lubricants & Services  
Ltd

### 1. IDENTIFICATION

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**GHS Product Identifier**

CALIBER BIUE EP 2

**Company Name**

Industrial Lubricants & Services Ltd

**Address**

PO Box 259 347, Botany, Manukau 2163  
Auckland, NEW ZEALAND

**Telephone/Fax Number**

Tel: 0800 10 40 11

Fax: 0800 10 40 15

**Emergency phone number**

0800 10 40 17

**E-mail Address**

orders@industlubes.co.nz

**Recommended use of the chemical and restrictions on use**

For industrial use only.

### 2. HAZARD IDENTIFICATION

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**GHS classification of the substance/mixture**

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.  
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

6.3B Substance that is mildly irritating to the skin

6.4A Substance that is irritating to the eyes

6.5B Substance that is a contact sensitiser

9.1C Substance that is harmful in the aquatic environment

**Signal Word (s)**

WARNING

**Hazard Statement (s)**

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**Pictogram (s)**

Exclamation mark



#### Precautionary statement – Prevention

P103 Read label before use.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash contaminated skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Precautionary statement – Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

#### Precautionary statement – Disposal

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients

Name	CAS	Proportion
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	70-80 %
Calcium carbonate	471-34-1	15-20 %
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	<1 %
Solvent naphtha (petroleum), heavy arom.	64742-94-5	<1 %
C.I. Basic Green 1	633-03-4	<0.2 %
Ingredients determined not to be hazardous		Balance

### 4. FIRST-AID MEASURES

#### Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

#### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

#### Skin

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

#### Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

#### First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (0800 764 766)

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**5. FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media**

Carbon dioxide, dry chemical or foam.

**Unsuitable Extinguishing Media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide and oxides of nitrogen (NO<sub>x</sub>).

**Specific Hazards Arising From The Chemical**

This product will burn if exposed to fire.

**Decomposition Temperature**

Not available

**Precautions in connection with Fire**

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Emergency Procedures**

Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

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**7. HANDLING AND STORAGE**

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**Precautions for Safe Handling**

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene by washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Occupational exposure limit values**

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Calcium carbonate

TWA: 10 mg/m<sup>3</sup>

Oil mist, mineral

TWA: 5 mg/m<sup>3</sup>

STEL: 10 mg/m<sup>3</sup>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Source: Workplace Exposure Standards and Biological Exposure Indices.

#### **Biological Limit Values**

No biological limits allocated.

#### **Appropriate Engineering Controls**

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

#### **Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist/dust filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

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, in order to make any necessary changes for individual circumstances.

#### **Eye Protection**

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

#### **Hand Protection**

Wear gloves of impervious material such as Viton, rubbe, nitril rubber. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

#### **Body Protection**

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Semi Solid	Appearance	Paste / Gel
Colour	Blue	Odour	Petroleum
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	Not available	Solubility in Water	Insoluble
Specific Gravity	0.931	pH	Not available
Vapour Pressure	Not available	Vapour Density (Air=1)	Not available
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Not available	Partition Coefficient: n-octanol/water	Not available
Flash Point	>204°C (Cleveland Open Cup (COC))	Flammability	Non-flammable
Auto-Ignition Temperature	Not available	Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available		

## 10. STABILITY AND REACTIVITY

### Chemical Stability

Stable under normal conditions of storage and handling.

### Reactivity and Stability

Reacts with incompatibles.

### Conditions to Avoid

Heat, open flames and other sources of ignition.

### Incompatible materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

### Possibility of hazardous reactions

Not available

### Hazardous Polymerization

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Toxicology Information

Toxicity data for material given below.

#### Acute Toxicity - Oral

ATEmix (oral): 7,789.00 mg/kg

#### Acute Toxicity - Inhalation

Distillates (petroleum), hydrotreated light naphthenic

LC50(rat): 2180 mg/m<sup>3</sup>/4h

Solvent naphtha (petroleum), heavy arom.

LC50(rat): >590 mg/m<sup>3</sup>/4h

#### Acute Toxicity - Dermal

Distillates (petroleum), hydrotreated heavy naphthenic  
LD50(rabbit): >2000 mg/kg

Distillates (petroleum), hydrotreated light naphthenic  
LD50(rabbit): >2000 mg/kg

Solvent naphtha (petroleum), heavy arom.  
LD50(rabbit): > 2mL/kg

#### **Ingestion**

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

#### **Inhalation**

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

#### **Skin**

Causes mild skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis. May cause an allergic skin reaction.

#### **Eye**

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

#### **Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

#### **Skin Sensitisation**

May cause an allergic skin reaction.

#### **Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

#### **Carcinogenicity**

Not considered to be a carcinogenic hazard.

Petroleum solvent is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

#### **Reproductive Toxicity**

Not considered to be toxic to reproduction.

#### **STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

#### **STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

#### **Aspiration Hazard**

Not expected to be an aspiration hazard.

## **12. ECOLOGICAL INFORMATION**

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#### **Ecotoxicity**

Harmful to aquatic life with long lasting effects.

#### **Persistence and degradability**

Not available

#### **Mobility**

Not available

#### **Bioaccumulative Potential**

Solvent naphtha (petroleum), heavy arom.

Log Pow: 6.1

#### **Other Adverse Effects**

Not available

#### **Environmental Protection**

Prevent this material entering waterways, drains and sewers.

#### **Acute Toxicity - Fish**

Distillates (petroleum), hydrotreated heavy naphthenic  
LC50 (Oncorhynchus mykiss): >5000 mg/l/96h

Distillates (petroleum), hydrotreated light naphthenic  
LC50 (Oncorhynchus mykiss): >5000 mg/l/96h

Solvent naphtha (petroleum), heavy arom.  
LC50 (Oncorhynchus mykiss): 2.34 mg/l/96h  
LC50 (Pimephales promelas): 45 mg/l/96h  
LC50 (Lepomis macrochirus): 1740 mg/l/96h  
LC50 (Pimephales promelas): 19 mg/l/96h  
LC50 (Pimephales promelas): 41 mg/l/96h

#### **Acute Toxicity - Daphnia**

Distillates (petroleum), hydrotreated heavy naphthenic  
EC50 (Daphnia Magna (Water Flea)): >1000 mg/l/48h

Distillates (petroleum), hydrotreated light naphthenic  
EC50 (Daphnia Magna (Water Flea)): >1000 mg/l/48h

Solvent naphtha (petroleum), heavy arom.  
EC50 (Daphnia Magna (Water Flea)): 0.95 mg/l/48h

### **13. DISPOSAL CONSIDERATIONS**

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#### **Disposal considerations**

Product Disposal:

Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a combustible substance and therefore can be sent to an approved high temperature incineration plant for disposal.

Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.

Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.

In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

Container Disposal:

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service.

Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.

In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

### **14. TRANSPORT INFORMATION**

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#### **Transport Information**

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433 (2012) Transport of Dangerous Goods on Land.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**U.N. Number**

None Allocated

**UN proper shipping name**

None Allocated

**Transport hazard class(es)**

None Allocated

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

**Special Precautions for User**

Not available

## 15. REGULATORY INFORMATION

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**Regulatory information**

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Group Standard: Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group Standard 2006.

**HSNO Approval Number**

HSR002606

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

SDS Created: June 2020

**References**

Workplace Exposure Standards and Biological Exposure Indices.

Transport of Dangerous goods on land NZS 5433.

Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).

Assigning a hazardous substance to a group standard.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

## END OF SDS

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