

SECTION 1: Identification**1.1 Product identifier**Trade name : BioRail® EP 1.5
Product form : Mixture**1.2 Other means of identification**

No additional information available

1.3 Recommended use of the chemical and restrictions on use

Recommended use : Lubricants, Greases and Release Products

1.4 Details of manufacturer or importer**Manufacturer**Whitmore
930 Whitmore Drive
Rockwall, Texas 75087
USA
T 1.972.771.1000
Regulatory@whitmores.com - www.whitmores.com**Distributor**Industrial Lubricants & Services Limited
P.O. Box 259 347
Botany, Manukau 2163 Auckland
New Zealand
T 0800 10 40 11 - F 0800 10 40 15
orders@ils.co.nz - www.ils.co.nz**1.5. Emergency phone number**Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week
Within USA and Canada: 1.800.424.9300
Outside USA and Canada: +1.703.527.3887
(collect calls accepted)

Country	Organisation/Company	Address	Emergency number	Comment
New Zealand	Chemtrec - New Zealand	Auckland	Local (City) +64 9-801 0034	
New Zealand	Chemtrec - New Zealand		Toll Free 0800 425 459	
New Zealand	New Zealand National Poison Centre Dunedin School of Medicine, University of Otago	P.O. Box 56 9054 Dunedin	0800 764 766 ILS Technical Helpline 0800 10 40 17	

SECTION 2: Hazard identification**2.1. Classification of the hazardous chemical****Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)**Serious eye damage/eye irritation, Category 2 H319
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412**2.2. GHS Label elements, including precautionary statements****GHS NZ labelling**

Hazard pictograms (GHS NZ) :

Signal word (GHS NZ) : Warning
Hazard statements (GHS NZ) : H319 - Causes serious eye irritation
H412 - Harmful to aquatic life with long lasting effects
Prevention : P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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Response : 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.

Disposal : P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
Benzenesulfonic acid, C10-16-alkyl derivs.	CAS-No.: 68584-22-5	23.17	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 Hazardous to terrestrial vertebrates, H434

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

No additional information available

4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.1.1. For non-emergency personnel

Emergency procedures : Exercise caution. Spill area may be slippery.

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according to the Hazardous Substances and New Organisms Act (1996)

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

Exposure limit values for the other components

No additional information available

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Neoprene or nitrile rubber gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	2 (> 30 minutes)	0.3 mm - 0.6 mm		

Eye protection : Wear eye protection

Skin and body protection : Wear suitable protective clothing

Respiratory protection : No respiratory protection needed under normal use conditions

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Solid

Appearance : Grease.

Colour : brown

Odour : Mild odor

Odour threshold : No additional information available

pH : No additional information available

Evaporation rate : No additional information available

Relative evaporation rate (butylacetate=1) : No data available

Melting point / Freezing point : No additional information available

Boiling point : No data available

Flash point : > 204 °C Open cup

Auto-ignition temperature : No data available

Flammability : Non flammable.

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Vapour pressure	: No additional information available
Relative density	: No additional information available
Density	: No additional information available
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: > 25 mm ² /s @ 40° C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Explosive limits	: No additional information available
Minimum ignition energy	: No data available
VOC content	: < 0.1 %

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Toxicity

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)	
LD50 oral rat	1350 mg/kg Source: IUCLID;
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 1.9 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)	
NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Aspiration hazard	: Not classified
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Viscosity, kinematic	> 25 mm ² /s @ 40° C

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
Soil toxicity	: Not classified

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Terrestrial vertebrate toxicity : Not classified
Terrestrial invertebrate toxicity : Not classified

12.2. Persistence and degradability

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Persistence and degradability : No additional information available

Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)

Not rapidly degradable

12.3. Bioaccumulative potential

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Bioaccumulative potential : No additional information available

Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)

Partition coefficient n-octanol/water (Log Pow) : 2

12.4. Mobility in soil

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Mobility in soil : No additional information available

Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)

Mobility in soil : 1064

Partition coefficient n-octanol/water (Log Pow) : 2

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

IMDG	IATA	UNRTDG
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

Transport by road and rail

No data available

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Transport by sea

No data available

Air transport

No data available

14.7. Transport in bulk according to IMO instruments

Not applicable

14.8. Hazchem or Emergency Action Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003163
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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date	: 21/09/2022
Revision date	: 11/10/2022
Supersedes	: 21/09/2022

Full text of H-statements

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 2	Hazardous to the aquatic environment – Acute Hazard, Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Hazardous to terrestrial vertebrates	Hazardous to terrestrial vertebrates
H302	Harmful if swallowed
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
H434	Hazardous to terrestrial vertebrates

Safety Data Sheet (SDS), New Zealand

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.