



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

5 Tarlington Place Smithfield NSW 2164

Correspondence: P.O Box 322 Castle Hill NSW 1765

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## PRODUCT DATA SHEET

### SUPER BLUE 3 GREASE

#### PRODUCT DESCRIPTION

**Super Blue 3 Grease** is a NLGI 3 grease possessing superior lubrication characteristics. It is recommended for bearing lubrication from normal to unusually severe load service conditions.

**Super Blue 3 Grease** is manufactured with a lithium complex soap thickener and selected paraffinic and naphthenic base oils combined with rust, oxidation and corrosion inhibitors. In addition, a designed over treat of high performance extreme pressure additives caters for unusually high load service conditions.

**Super Blue 3 Grease** has a short fibre texture and is the prime recommendation for automotive, marine and industrial applications.

#### CHARACTERISTICS

**Super Blue 3 Grease** can be used as a multipurpose grease for both high and low temperature applications (up to 170°C). It protects against wear on all moving parts from shock loads in high load service conditions. **Super Blue 3 Grease** prevents scuffing and further assists in wear prevention due to the high performance additives not found in conventional EP greases.

#### PERFORMANCE

**Super Blue 3 Grease** resists "squeeze-out" from surfaces requiring lubrication under high load/shock load conditions. Inherent adhesive and cohesive characteristics are synergised further with the activity of the special EP additives ensuring **Super Blue 3 Grease** has the *TENACITY* to *STAY PUT* to always give effective lubrication.

**Super Blue 3 Grease** has *HIGH SHEAR STABILITY* ensuring long service particularly in sealed anti-friction bearings. The excellent resistance to mechanical shear combined with high film strength maintains grease consistency for extended lubrication service.

**Super Blue 3 Grease** is *OXIDATION INHIBITED* assuring long life in "sealed for life" bearings.

**Super Blue 3 Grease** is *RUST AND CORROSION INHIBITED* promoting effective lubrication under difficult environments including corrosive and rust prone situations. These inhibitors protect the metal components under these adverse conditions.

#### RECOMMENDATIONS

**INDUSTRIAL AND GENERAL** - Recommended for ball, roller, needle and slow speed plain bearings operating under all service conditions up to approximately 170°C. Excellent service record under high load and/or shock load service conditions.

**AUTOMOTIVE** - Recommended for chassis, universal joints and wheel bearings particularly those in vehicles fitted with disc brakes where high temperatures cause ordinary grease to soften and give ineffective lubrication. For service in cars, trucks, tractors, trailers etc.

Hi-Tec suggests that the equipment manufacturers' recommendations for grade, performance requirements and general operating conditions should be checked prior to use.



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## PRODUCT DATA SHEET

### TYPICAL PROPERTIES

Description	Units	Method	Typical Results
Appearance	-	Visual	Blue
Thickener	-	-	Lithium Complex
NLGI Grade	-	-	3
Worked Penetration	dmm	ASTM D-217	237
Drop Point	°C	ASTM D-2265	>260
Water Washout 1 hour @ 79°C	%	ASTM D-1264	1.9
Oil Separation 168 Hours @ 40 °C	%	IP121	0.7
Copper Strip Corrosion 1 Hour @120°C	-	ASTM D-4048	1b
Corrosion (EMCOR)	-	ASTM D-6138	0:0
Rust Test	-	ASTM D-1743	No Rust
4-Ball Weld	kgF	ASTM D-2596	500
4-Ball Wear Scar	mm	ASTM D-2266	0.54
Base Oil Viscosity @ 40°C	cSt	ASTM D-445	220
Operating Temperature Range	°C	-	-20 to 150

**Available in:** 180kg drums, 20kg pails, 500g tubs and 450g cartridges

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au). Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)"

**Item code:** HI7-1014

**Effective:** September 2020

GH029012/1



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# SAFETY DATA SHEET

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Issue Date: 2 December 2021

Super Blue 3 Grease

Version: 3

**Product name:** Super Blue 3 Grease

## 1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: Hi-Tec Oil Traders Pty Ltd. (ABN 28 053 837 362)

ADDRESS: PO Box 322 Castle Hill NSW 1765  
5 Tarlington Place, Smithfield NSW 2164

TELEPHONE NUMBER: 1300 796 009

FAX NUMBER: (02) 9604 1611

EMERGENCY TELEPHONE NUMBER: 1300 796 009

PRODUCT NAME: Super Blue 3 Grease

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI7-1014

USE: Lithium Complex, NLGI3 multipurpose grease

ADDITIONAL INFORMATION: Refer to Product Information Sheet for additional information.

OTHER INFORMATION: Visit our website: [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)  
Email: hitecoils@hi-tecoils.com.au

## 2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: NON-HAZARDOUS  
NON-DANGEROUS GOODS  
Hazard classification according to GHS Classification.  
Dangerous goods classification according to Australian Dangerous Goods Code.

SIGNAL WORD (S): None

IRRITANCY OF PRODUCT: Not classified as an irritant.

SENSITISATION OF PRODUCT: Not known to be a sensitiser.

TERATOGENICITY: No teratogenic effects known.

OTHER INFORMATION: Used greases may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and environment on disposal. All used oils should be handled with caution and skin contact avoided as far as possible.



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### CHEMICAL CHARACTERISTICS:

Grease

#### INGREDIENTS:-

CHEMICAL ENTITY	CAS NO	PROPORTION
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	70-100%
Dilithium Sebacate	19370-86-6	1 - 2.5%
Calcium Carbonate	1317-65-3	1 - 2.5%
Phosphorodithioic acid, O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9	1 - 2.5%
Ingredients determined to be non-hazardous	-	To 100%

### 4. FIRST AID MEASURES

#### GENERAL INFORMATION:

You should call the Poisons Information Centre on 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) if you feel that you may have been poisoned, burned or irritated by this product. Have this SDS with you when you call.

#### INHALATION:

No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.

#### INGESTION:

No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.

#### SKIN CONTACT:

No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.

#### EYE CONTACT:

Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.

#### FIRST AIDERS:

Use protective equipment appropriate for surrounding materials.

#### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

#### GENERAL INFORMATION:

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

#### INHALATION:

No specific symptoms known.

#### INGESTION:

No specific symptoms known. May cause discomfort if swallowed.

#### SKIN CONTACT:

Prolonged contact may cause dryness of the skin.

#### EYE CONTACT:

No specific symptoms known. May be slightly irritating to eyes.



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### 4. FIRST AID MEASURES (CONT)

#### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

NOTES TO PHYSICIAN: Treat symptomatically.

SPECIAL TREATMENTS: No special treatment required.

### 5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

SPECIFIC HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition or combustion products may include the following substances:  
Harmful gases or vapours. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Oxides of sulphur.

#### ADVICE FOR FIREFIGHTERS

PROTECTIVE ACTIONS: Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

SPECIAL PROTECTIVE EQUIPMENT: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: No specific recommendations. For personal protection, see Section 8.

ENVIRONMENTAL PRECAUTIONS: Avoid discharge into drains or watercourses or onto the ground.

METHODS FOR CONTAINMENT  
broom & CLEANING UP: Reuse or recycle products wherever possible. Collect spillage with a shovel and or similar and reuse if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

REFERENCE TO OTHER SECTIONS: For personal protection, see Section 8. For waste disposal, see Section 13.



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### 7. HANDLING AND STORAGE

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly closed when not in use.

HYGIENE MEASURES:

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

STORAGE PRECAUTIONS:

Store away from incompatible materials (see Section 10). No specific recommendations.

STORAGE CLASS:

Unspecified storage.

SPECIFIC END USES:

The identified uses for this product are detailed in Section 1.2

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### OCCUPATIONAL EXPOSURE LIMITS

**Distillates (petroleum), hydrotreated heavy naphthenic:**

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup> mist

**Calcium Carbonate**

Long-term exposure limit (8 hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8 hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

WEL = Workplace Exposure Limit

#### EXPOSURE CONTROLS

ENGINEERING CONTROLS:

No specific ventilation requirements.

EYE/FACE PROTECTION:

No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

HAND PROTECTION:

No specific hand protection recommended. Large Spillages: Wear protective gloves.

SKIN/BODY PROTECTION:

Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENE MEASURES:

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

RESPIRATORY PROTECTION:

No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

ENVIRONMENTAL EXPOSURE CONTROLS:

Not regarded as dangerous for the environment.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Grease
COLOUR:	Blue
ODOUR:	Almost odourless
ODOUR THRESHOLD:	No information available
pH:	Not applicable
MELTING POINT:	>260°C
INITIAL BOILING POINT AND RANGE:	No information available
FLASH POINT:	>200°C Information given is applicable to the major ingredient
EVAPORATION RATE:	No information available
EVAPORATION FACTOR:	No information available
FLAMMABILITY (SOLID, GAS):	No information available
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	No information available
OTHER FLAMMABILITY:	No information available
VAPOUR PRESSURE:	No information available
VAPOUR DENSITY:	No information available
RELATIVE DENSITY:	Approximately 0.93 @ 25°C
BULK DENSITY:	No information available
SOLUBILITY(IES):	Insoluble in water.
PARTITION COEFFICIENT:	No information available
AUTO-IGNITION TEMPERATURE:	No information available
DECOMPOSITION TEMPERATURE:	No information available
VISCOSITY:	220 cSt @ 40°C. Information given is applicable to the major ingredient
EXPLOSIVE PROPERTIES:	Not considered to be explosive
EXPLOSIVE UNDER THE INFLUENCE OF A FLAME:	Not considered to be explosive



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## 9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

OXIDISING PROPERTIES: Not applicable

## 10. STABILITY AND REACTIVITY

REACTIVITY: No test data specifically related to reactivity available for this product or its ingredients.

CHEMICAL STABILITY: Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

HAZARDOUS REACTIONS: Under normal conditions of storage and use, no hazardous will occur.

CONDITIONS TO AVOID: Avoid excessive heat for prolonged periods of time.

INCOMPATIBLE MATERIALS: Avoid contact with the following materials: Strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## 11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL EFFECTS: Not regarded as a health hazard under current legislation.

### ACUTE TOXICITY - ORAL

Notes (oral LD<sub>50</sub>):

Based on available data the classification criteria are not met.

ATE oral (mg/kg):

20,491.8

### ACUTE TOXICITY - DERMAL

Notes (dermal LD<sub>50</sub>):

Based on available data the classification criteria are not met.

### ACUTE TOXICITY - INHALATION

Notes (inhalation LC<sub>50</sub>):

Based on available data the classification criteria are not met.

### SKIN CORROSION/IRRITATION

Animal data:

Based on available data the classification criteria are not met.

### SERIOUS EYE DAMAGE/IRRITATION

Serious eye damage/irritation:

Based on available data the classification criteria are not met.

### RESPIRATORY SENSITISATION

Respiratory sensitisation:

Based on available data the classification criteria are not met.

### SKIN SENSITISATION

Skin sensitisation:

Based on available data the classification criteria are not met.





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## 11. TOXICOLOGICAL INFORMATION (CONT)

### GERM CELL MUTAGENICITY

Genotoxicity - in vitro:

Based on available data the classification criteria are not met.

### CARCINOGENICITY

Carcinogenicity:

Based on available data the classification criteria are not met.

IARC carcinogenicity:

Contains a substance which may be potentially carcinogenic. IARC Group 2B  
Possibly carcinogenic to humans.

### REPRODUCTIVE TOXICITY

Reproductive toxicity – fertility:

Based on available data the classification criteria are not met.

Reproductive toxicity – development:

Based on available data the classification criteria are not met.

### SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE

STOT - single exposure

Not classified as a specific target organ toxicant after a single exposure.

### SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE

STOT - repeated exposure

Not classified as a specific target organ toxicant after repeated exposure.

### ASPIRATION HAZARD

Aspiration hazard:

Not relevant. Solid.

### GENERAL INFORMATION:

No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

INHALATION:

No specific symptoms known.

INGESTION:

No specific symptoms known. May cause discomfort if swallowed.

SKIN CONTACT:

Prolonged contact may cause dryness of the skin.

EYE CONTACT:

No specific symptoms known. May be slightly irritating to eyes.

ROUTE OF ENTRY:

Ingestion, Inhalation, Skin and/or eye contact

TARGET ORGANS:

No specific target organs known.

### TOXICOLOGICAL INFORMATION ON INGREDIENTS

#### Distillates (petroleum), hydrotreated heavy naphthenic

### ACUTE TOXICITY - ORAL

Notes (oral LD<sub>50</sub>):

OECD 401 > 5000 mg/kg, Oral, Rat.  
API 1982 Read-across data.

### ACUTE TOXICITY - DERMAL

Notes (dermal LD<sub>50</sub>):

OECD 402 > 5000 mg/kg, Dermal, Rabbit.  
API 1982 Read-across data.



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## 11. TOXICOLOGICAL INFORMATION (CONT)

### ACUTE TOXICITY - INHALATION

Notes (dermal LC<sub>50</sub>):

OECD 403 > 5.53 mg/l, 4 hours, Dust/Mist, Rat.  
EMBSI 1988a Read-across data.

### SKIN CORROSION/IRRITATION

Skin corrosion/irritation:

Based on available data the classification criteria are not met.

### SERIOUS EYE DAMAGE/IRRITATION

Serious eye damage/irritation:

Based on available data the classification criteria are not met.

### RESPIRATORY SENSITISATION

Respiratory sensitisation:

Based on available data the classification criteria are not met.

### SKIN SENSITISATION

Skin sensitisation:

Based on available data the classification criteria are not met.

### GERM CELL MUTAGENICITY

Genotoxicity - in vitro:

Based on available data the classification criteria are not met.

Genotoxicity - in vivo:

Based on available data the classification criteria are not met.

### CARCINOGENICITY

Carcinogenicity:

Based on available data the classification criteria are not met.

### REPRODUCTIVE TOXICITY

Reproductive toxicity – fertility:

Based on available data the classification criteria are not met.

Reproductive toxicity – development:

Based on available data the classification criteria are not met.

### ASPIRATION HAZARD

Aspiration hazard:

Not available.

### Dilithium Sebacate

### ACUTE TOXICITY - ORAL

Notes (oral LD<sub>50</sub>):

Acute Tox. 4 – H302 Harmful if swallowed.

ATE oral (mg/kg):

500.0

### ACUTE TOXICITY - DERMAL

Notes (dermal LD<sub>50</sub>):

Based on available data the classification criteria are not met.

### ACUTE TOXICITY - INHALATION

Notes (inhalation LC<sub>50</sub>):

Based on available data the classification criteria are not met.

### SKIN CORROSION/IRRITATION

Animal data:

Based on available data the classification criteria are not met.



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### 11. TOXICOLOGICAL INFORMATION (CONT)

#### SERIOUS EYE DAMAGE/IRRITATION

Serious eye damage/irritation:

Based on available data the classification criteria are not met.

#### RESPIRATORY SENSITISATION

Respiratory sensitisation:

Based on available data the classification criteria are not met.

#### SKIN SENSITISATION

Skin sensitisation:

Based on available data the classification criteria are not met.

#### GERM CELL MUTAGENICITY

Genotoxicity - in vitro:

Based on available data the classification criteria are not met.

#### CARCINOGENICITY

Carcinogenicity:

Based on available data the classification criteria are not met.

IARC carcinogenicity:

None of the ingredients are listed or exempted.

#### REPRODUCTIVE TOXICITY

Reproductive toxicity – fertility:

Based on available data the classification criteria are not met.

Reproductive toxicity – development:

Based on available data the classification criteria are not met.

#### SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE

STOT - single exposure

Not classified as a specific target organ toxicant after a single exposure.

#### SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE

STOT - repeated exposure

Not classified as a specific target organ toxicant after repeated exposure.

#### ASPIRATION HAZARD

Aspiration hazard:

Not relevant. Solid.

#### GENERAL INFORMATION:

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

INHALATION:

No specific symptoms known.

INGESTION:

May cause discomfort if swallowed. Stomach pain. Nausea, vomiting

SKIN CONTACT:

Prolonged contact may cause dryness of the skin.

EYE CONTACT:

No specific symptoms known.

ROUTE OF ENTRY:

Ingestion Inhalation Skin and/or eye contact

TARGET ORGANS:

No specific target organs known.



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## 11. TOXICOLOGICAL INFORMATION (CONT)

### Calcium Carbonate

#### ACUTE TOXICITY - ORAL

Notes (oral LD<sub>50</sub>):

LD<sub>50</sub> >5000 mg/kg, Oral, Rat.

ATE oral (mg/kg):

5000.0

#### ACUTE TOXICITY - DERMAL

Notes (dermal LD<sub>50</sub>):

LD<sub>50</sub> >5000 mg/kg, Dermal, Rat.

#### SKIN CORROSION/IRRITATION

Animal data:

Not irritating.

#### SERIOUS EYE DAMAGE/IRRITATION

Serious eye damage/irritation:

Not irritating.

#### RESPIRATORY SENSITISATION

Respiratory sensitisation:

No data available.

### Phosphorodithioic acid. O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts

#### ACUTE TOXICITY - ORAL

Notes (oral LD<sub>50</sub>):

OECD 401 3,080 mg/kg, Oral, Rat.

#### ACUTE TOXICITY - DERMAL

Notes (dermal LD<sub>50</sub>):

OECD 402 > 20,000 mg/kg, Dermal, Rabbit.

#### SKIN CORROSION/IRRITATION

Skin corrosion/irritation:

OECD 404 irritating to skin.

#### SERIOUS EYE DAMAGE/IRRITATION

Serious eye damage/irritation:

OECD 405 irritating to eyes.

#### SKIN SENSITISATION

Skin sensitisation:

OECD 406 –Guinea pig: Not sensitising.

#### GERM CELL MUTAGENICITY

Genotoxicity - in vitro:

Gene mutation: TA98.

Negative with metabolic activation. Negative with out metabolic activation.

Genotoxicity - in vivo:

Micronucleus assay, Mouse, OECD 474: Negative.





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### 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:**

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

**TOXICITY:**

Based on available data the classification criteria are not met.

**ECOLOGICAL INFORMATION ON INGREDIENTS:**

**Distillates (petroleum), hydrotreated heavy naphthenic**

**ACUTE AQUATIC TOXICITY:**

Acute Toxicity – Fish	LC <sub>50</sub> , 96 hours: >100 mg/l
Acute Toxicity – Aquatic Invertebrates	EC <sub>50</sub> , 96 hours: >10,000 mg/l
Acute Toxicity – Aquatic Plants	EC <sub>50</sub> , 72 hours: >100 mg/l

**CHRONIC AQUATIC TOXICITY:**

Chronic Toxicity – Aquatic Invertebrates	NOEC, 21 days: 10 mg/l
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**Dilithium Sebacate**

**TOXICITY:**

Based on available data the classification criteria are not met.

**ACUTE AQUATIC TOXICITY:**

Acute Toxicity – Fish	LC <sub>50</sub> , 96 hours: >100 mg/l, Cyprinus Carpio (Common Carp)
Acute Toxicity – Aquatic Invertebrates	EC <sub>50</sub> , 48 hours: >100 mg/l, Daphnia magna
Acute Toxicity – Aquatic Plants	EC <sub>50</sub> , 75 hours: >100 mg/l, Pseudokirchneriella subcapitata
	NOEC, 72 hours: >10 mg/l, Pseudokirchneriella subcapitata

**Calcium Carbonate**

**ACUTE AQUATIC TOXICITY:**

Acute Toxicity – Fish	LC <sub>50</sub> , 96 hours: >10000 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute Toxicity – Aquatic Invertebrates	EC <sub>50</sub> , 48 hours: >1000 mg/l, Daphnia magna
Acute Toxicity – Aquatic Plants	EC <sub>50</sub> , 72 hours: >200 mg/l, Scenedesmus subspicatus

**Phosphorodithioic acid, O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts**

**ACUTE AQUATIC TOXICITY:**

Acute Toxicity – Fish	LC <sub>50</sub> , 96 hours: 4.5 mg/l, Oncorhynchus mykiss (Rainbow trout)
	NOEC, 96 hours: 1.8 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute Toxicity – Aquatic Invertebrates	EC <sub>50</sub> , 48 hours: 5.4 mg/l, Daphnia magna
	NOEC, 48 hours: <1 mg/l, Daphnia magna
Acute Toxicity – Aquatic Plants	LC <sub>50</sub> , 96 hours: 2.1 mg/l, Scenedesmus subspicatus



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### 12. ECOLOGICAL INFORMATION (CONT)

#### PERSISTENCE AND DEGRADABILITY:

Persistence and degradability The degradability of the product is not known.

#### Distillates (petroleum), hydrotreated heavy naphthenic

Biodegradation Inherently biodegradable.

#### Dilithium Sebacate

Persistence and degradability The product is readily biodegradable.

#### Calcium Carbonate

Persistence and degradability The product contains only inorganic substances which are not biodegradable.

#### Phosphorodithioic acid, O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts

Persistence and degradability Not readily biodegradable.

Biodegradation OECD 301F  
-Degradation 1.5%: 28 days.

BIOACCUMULATIVE POTENTIAL: No data available on bioaccumulation.

PARTITION COEFFICIENT: No information available

#### ECOLOGICAL INFORMATION ON INGREDIENTS:

#### Distillates (petroleum), hydrotreated heavy naphthenic

Bioaccumulative potential Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

Partition coefficient log Pow: 2 to 6

#### Dilithium Sebacate

Bioaccumulative potential No data available on bioaccumulation

#### Calcium Carbonate

Partition coefficient: Not applicable



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### 12. ECOLOGICAL INFORMATION (CONT)

#### MOBILITY IN SOIL:

Mobility No data available.

#### ECOLOGICAL INFORMATION ON INGREDIENTS:

##### Distillates (petroleum), hydrotreated heavy naphthenic

Mobility: Mobile

##### Dilithium Sebacate

Mobility: No data available

#### RESULTS OF PBT & vPvB ASSESSMENT

#### ECOLOGICAL INFORMATION ON INGREDIENTS:

##### Calcium Carbonate

Results of PBT and vPvB assessment: This product does not contain any substances that are classified as PBT or vPvB.

OTHER ADVERSE EFFECTS: None known.

#### ECOLOGICAL INFORMATION ON INGREDIENTS

##### Dilithium Sebacate

Other adverse effects: None known.

### 13. DISPOSAL CONSIDERATIONS

#### GENERAL INFORMATION:

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.

#### DISPOSAL METHODS:

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.



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### 14. TRANSPORT INFORMATION

ROAD & RAIL TRANSPORT:  
ADG REQUIREMENT

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

MARITIME TRANSPORT:  
IMO/IMDG REQUIREMENT

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

AIR TRANSPORT:  
ICAO/IATA REQUIREMENT

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

### 15. REGULATORY INFORMATION

POISON SCHEDULE:

Not scheduled.

PACKING & LABELLING:

No special packaging or labelling requirements.

AUSTRALIAN INVENTORY STATUS:

All components are listed or exempted.

### 16. OTHER INFORMATION

CONTACT PERSON/POINT:

General Manager 1300 796 009

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.



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### 16. OTHER INFORMATION (CONT)

#### LITERATURE REFERENCES:

- \* NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
- \* Safework Australia: 2016 Code of Practice for the Preparation of Safety Data Sheets for Hazardous Substances.
- \* NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.
- \* NOHSC: 10005 List of Designated Hazardous Substances.
- \* NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.
- \* NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice.
- \* NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.
- \* NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.
- \* NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.
- \* NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.
- \* SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons
- \* ADG: Australian Dangerous Goods Code
- \* MSDS of component materials.

#### LAST CHANGE:

Supersedes document issued: 11 May 2017

Reason/s for revision: Minor editorial adjustments to comply with GHS requirements.

MR122120/1

END OF SDS



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