

**Safety Data Sheet**according to the Hazardous Substances and New Organisms Act (1996)  
Issue date: 23/09/2022 Version: 1.0**SECTION 1: Identification****1.1 Product identifier**Trade name : MILLGUARD™ MEDIUM  
Product form : Mixture**1.2 Other means of identification**

No additional information available

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

No additional information available

**1.4 Details of manufacturer or importer****Manufacturer**Whitmore  
930 Whitmore Drive  
Rockwall, Texas 75087  
USA  
T 1.972.771.1000  
[Regulatory@whitmores.com](mailto:Regulatory@whitmores.com) - [www.whitmores.com](http://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](mailto:orders@ils.co.nz) - [www.ils.co.nz](http://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)

Not classified

**2.2. GHS Label elements, including precautionary statements****GHS NZ labelling**

No labelling applicable

**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

# MILLGUARD™ MEDIUM

## Safety Data Sheet

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

### 3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
Alkenyl amine	CAS-No.: Proprietary	0.125	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)

## 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

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

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

### 5.2. Specific hazards arising from the chemical

No additional information available

### 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.

#### 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 : Take up liquid spill into absorbent material.

## 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.

# MILLGUARD™ MEDIUM

## Safety Data Sheet

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

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 : Liquid  
Appearance : Viscous liquid.  
Colour : dark brown to black  
Odour : peppermint-like  
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 : Melting point: Not applicable  
Boiling point : No data available  
Flash point : > 177 °C Cleveland Open Cup Method  
Auto-ignition temperature : No data available  
Flammability : Non flammable.  
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 : ≈ 25000 mm<sup>2</sup>/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

## SECTION 10: Stability and reactivity

Reactivity : No additional information available  
Chemical stability : No additional information available  
Possibility of hazardous reactions : No additional information available  
Conditions to avoid : No additional information available  
Incompatible materials : No additional information available

# MILLGUARD™ MEDIUM

## Safety Data Sheet

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

Hazardous decomposition products : No additional information available

### SECTION 11: Toxicological information

#### 11.1. Toxicity

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

Alkenyl amine (Proprietary)	
LD50 oral rat	> 10000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 25 mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
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
Aspiration hazard	: Not classified
MILLGUARD™ MEDIUM	
Viscosity, kinematic	≈ 25000 mm <sup>2</sup> /s @ 40°C

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified  
Soil toxicity : Not classified  
Terrestrial vertebrate toxicity : Not classified  
Terrestrial invertebrate toxicity : Not classified

Alkenyl amine (Proprietary)	
LC50 - Fish [1]	0.11 mg/l 96 hr. Fathead Minnow
LC50 - Fish [2]	0.9 mg/l 96 hr. Sheepshead Minnow
EC50 - Crustacea [1]	0.011 mg/l 48 hr. Daphnia magna
NOEC (chronic)	0.013 mg/l 21 day Daphnia magna
NOEC chronic crustacea	0.013 mg/l 21 day Daphnia magna
Partition coefficient n-octanol/water (Log Kow)	7.5 Calculated
LD50 dermal rabbit	> 2000 mg/kg
LD50 oral rat	> 10000 mg/kg

#### 12.2. Persistence and degradability

MILLGUARD™ MEDIUM	
Persistence and degradability	No additional information available

#### 12.3. Bioaccumulative potential

MILLGUARD™ MEDIUM	
Bioaccumulative potential	No additional information available

# MILLGUARD™ MEDIUM

## Safety Data Sheet

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

Alkenyl amine (Proprietary)	
Partition coefficient n-octanol/water (Log Kow)	7.5 Calculated

### 12.4. Mobility in soil

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Mobility in soil	No additional information available
Alkenyl amine (Proprietary)	
Partition coefficient n-octanol/water (Log Kow)	7.5 Calculated

### 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
<b>14.1. UN number</b>		
Not regulated for transport		
<b>14.2. UN Proper Shipping Name</b>		
Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>		
Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>		
Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>		
Not regulated	Not regulated	Not regulated
No supplementary information available		

### 14.6. Special precautions for user

#### Transport by road and rail

No data available

#### 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

# MILLGUARD™ MEDIUM

## Safety Data Sheet

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### SECTION 15: Regulatory information

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

No additional information available

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Issue date : 23/09/2022

Full text of H-statements	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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.