

## SECTION 1: Substance identification and supplier

---

**Product name:** SULPHUR 90

**Product name alternatives:** OMASULF 90 and STRAIGHT SULPHUR FERTILISER (Granular)

**Product code:** SUL2

**Recommended use:** Fertiliser

**Company I.D:**

Livestock Supplies NZ Ltd  
6 Oreti Street  
P.O. Box 123  
Gore 9740

**Contact number:** (03) 2085257

**Emergency contact:** NZ National Poisons Centre (24 Hours) 0800 764 766 (0800 POISON)

**Transport Emergency:** 111 - Advise operator what service required - Fire, Ambulance, Police

## SECTION 2: Hazard identification

---



**Signal Word:** Warning

**GHS Classification:** Skin Irritation – Category 2

Eye Irritation – Category 2

Classified as hazardous according to the criteria of the 'EPA- Hazardous Substances (Hazard Classification) Notice 2020'.  
Fertilisers (Subsidiary Hazard) Group Standard 2017 – HSR002571

**NOTE: In the formulation and manufacture of this product sulphur is granulated and coated in bentonite (sulphur bentonite pastilles) negating any potential hazards associated with sulphur / sulphur dust or dust from bentonite clay.**

**Sulphur alone is a hazardous chemical but the formulation of this product where sulphur is granulated and coated in bentonite (sulphur bentonite pastilles) negates the 'Flammable Solid 2' hazard classification of Sulphur. The product as manufactured will not meet the GHS 'Burn Rate Test' criteria that would result in a 'Flammable Solid' classification.**

**Hazard Statements:**

- H315 Causes skin irritation.  
H319 Causes serious eye irritation

**Prevention Statements:**

- P103 Read label before use.  
P264 Wash hands and exposed skin thoroughly after handling  
P280 Wear protective gloves.

**Response Statements:**

- P321 For specific treatment refer to instructions on the label  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313 If skin irritation occurs get medical advice / attention  
P 362 Take of contaminated clothing and wash before re-use.  
P337+ P313 If eye irritation persists. Get medical advice / attention  
P305 + P351 + P338IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**Storage Statements:** Nil**Disposal Statements:**

- P501 Disposal of contents/container should be made in accordance with applicable regional, national and local laws and regulations.

## SECTION 3: Composition information

---

<b>Ingredient:</b>	<b>CAS Number:</b>	<b>Content (%w/w):</b>
Sulphur	7704-34-9	90
Bentonite Clay	1330-20-7	10

## SECTION 4: First aid measures

---

**First Aid Measures:**

Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.

**Inhalation:**

Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

**Ingestion:**

Never give anything by mouth to an unconscious person. If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.

**Skin:**

Remove contaminated clothing and wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.

**Eye:**

Flush with plenty of water for 15 minutes holding eyelids open if necessary. Remove contact lenses if easy to do so and continue rinsing. Seek medical assistance immediately.

**Advice to Doctor:**

No specific antidote. Treat symptomatically. If vomiting is induced, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

## SECTION 5: Firefighting measures

---

**Extinguishing Media:**

Use water spray or fog. CO2 or dry powder extinguishers can be used on small fires. Small fires can also be smothered with sand or similar inert substances.

**Combustion Products:**

Decomposes on heating emitting toxic sulphur dioxide fumes.

**Protective Equipment:**

Breathing apparatus plus full body protective clothing.

**NOTE: This product formulation is not considered combustible.**

**However, concentrations of sulphur dust are easily ignited and flammable. Sulphur dust suspended in air is readily ignited by flame, static electricity or friction spark. Every reasonable step must be taken to minimise dust formation. Dust tight enclosures equipped with explosion relief vents are recommended. Spark-proof intrinsically safe electrical equipment should also be used. Handling equipment must be grounded or bonded to avoid static electricity. This product should be kept away from flame, ignition or sparks.**

**HAZCHEM Code 2Z may be applicable if dust control is not effective.**

## SECTION 6: Accidental release measures

---

**Spills and Disposal:**

Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill by blocking drains, scoop up bulk product for reuse if possible, wash area with water to remove remaining powder and collect washings, place collected powder and washings in a sealable waste container for later disposal. Dispose of waste safely in an approved landfill.

**Protective Clothing:**

For appropriate personal protective equipment see section 8.

**Environmental Precaution:**

Prevent from entering drains, waterways or sewers. If spill does enter waterways contact the local authority.

## SECTION 7: Handling and storage

---

**Handling:**

Keep out of reach of children. Avoid contact with skin, eyes and inhalation of dust. Use personal protective equipment as required. Eating, drinking, and smoking in work areas is prohibited.

**Storage:**

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs and seed. Store in accordance with NZS 8409; Management of Agrichemicals. This product is subject to signage when stored in quantities of 100 kg or more, either alone or in aggregate with substances of the same hazard classification. Storage of more than 100 kg requires an emergency response plans. For full details refer to NZS 8409.

## SECTION 8: Exposure control/personal protection

---

**Workplace exposure standards**

The following exposure standards have been established by Worksafe New Zealand.

Material	Type	mg/m <sup>3</sup>
Particulates not otherwise classified	TWA	3

**Engineering Controls:**

Handle in well-ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of dust. Keep containers closed when not in use.

**Protective Equipment:**

Wear overalls, full face shield (complying with AS/NZS 1336:1997), elbow-length impervious gloves (complying with AS/NZS 2121.2:1998 and rubber boots. Use with adequate ventilation. If inhaled risk exists, wear air-supplied mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Wash contaminated clothing and other protective equipment before storage or re-use.

## SECTION 9: Physical and chemical properties

---

<b>Appearance:</b>	Solid pellet or pastille (pea shape) – earthy colour	<b>Vapour pressure:</b>	N/A
<b>Odour:</b>	Slight sulphurous odour	<b>Vapour density:</b>	N/A
<b>pH:</b>	Neutral when dry	<b>Specific gravity (g/mL @ 25°C):</b>	2.07
<b>Melting point:</b>	119°C	<b>Solubility (g/L @ room temp.):</b>	Insoluble
<b>Boiling point:</b>	444°C	<b>Partition coefficient:</b>	N/A
<b>Flash point:</b>	Approx. 200°C	<b>Auto-ignition temp:</b>	232°C
<b>Flammability:</b>	Not flammable	<b>Decomposition temp:</b>	N/A
<b>Explosive limits:</b>	N/A	<b>Kinematic viscosity:</b>	N/A



## SECTION 10: Stability and reactivity

---

**Stability:**

Stable under normal conditions. When stored appropriately this product should show no significant degradation.

**Incompatible materials:**

Avoid contact with oxidizing agents, strong acids or alkalis.

**Hazardous decomposition products:**

If involved in a fire may emit toxic, irritating sulphur dioxide fumes.

**Hazardous Polymerisation:**

Hazardous polymerisation is not likely to occur

## SECTION 11: Toxicological information

---

**Acute toxicity (oral):**

Not classified

**Acute toxicity (inhalation):**

Not classified

**Skin corrosion/irritation:**

Skin Irritation – Category 2

**Serious eye damage/irritation:**

Eye Irritation – Category 2

**Respiratory/Skin sensitization:**

Not classified

**Germ cell mutagenicity:**

Not classified.

**Carcinogenicity:**

Not classified

**Reproductive toxicity:**

Not classified

**STOT repeated exposure:**

Not classified

**Aspiration hazard:**

Not classified.



## SECTION 12: Ecological information

---

**Summary:**

No specific data is available for this product.

**Aquatic toxicity:**

No data available

**Bioaccumulation:**

No data available.

**Degradability:**

No data available.

**Soil toxicity:**

No data available

**Terrestrial vertebrate toxicity:**

No data available

**Terrestrial invertebrate toxicity:**

No data available.

## SECTION 13: Disposal information

---

**Special precautions:**

Minimise creation of dust during disposal of containers. Do not discharge contents or rinse waters to the environment. Rinse waters must be collected and processed by an approved service provider.

**Methods of disposal:**

Dispose of product and containers only at an approved landfill. Recycle containers where possible.

## SECTION 14: Transport information

---

**Road and Rail Transport:**

Not classified as dangerous goods by the criteria of NZS 5433:2012 – Transport of Dangerous Goods on Land.

**Sea Transport:**

Not classified as dangerous goods under the IMDG transport regulations.

**Air Transport:**

Not classified as dangerous goods under the IATA/ICAO transport regulations.

**Other information:**

None.



## SECTION 15: Regulatory information

---

**NZ EPA Approval Code:**

Fertilisers (Subsidiary Hazard) Group Standard 2017 – HSR002571

**ACVM:**

Exempt from Registration under the ACVM Act 1997

**NZIoC:**

All components are listed on the New Zealand Inventory of Chemicals

**Trigger quantities for this substance:**

**Certified Handler** - Not required

**Location Certificate** - Not required

**Tracking Trigger Quantities** - Not required

**Signage Trigger Quantities** - Not required

**Emergency Response Plan Trigger Quantities** - No limit

## SECTION 16: Other information

---

**SDS Version Number:**

1.0

**SDS Effective Date:**

24 September 2021

**SDS Review Date:**

24 September 2026

**SDS Regulation:**

The content and format of this SDS is in accordance with 'Hazardous Substances (Safety Data Sheets) Notice 2017' – EPA Consolidation 30 April 2021.

**Abbreviations:**

**ACVM** - Agricultural Compounds and Veterinary Medicines

**AS/NZS** - Joint Australian-New Zealand standard

**CAS** - Chemical Abstracts Service (Registry Number)

**EPA** - Environmental Protection Authority

**GHS** – Globally Harmonised System

**IATA** - International Air Transport Association

**ICAO** - International Civil Aviation Organization

**IMDG** - International Maritime Dangerous Goods Code

**LD50** - Lethal Dose in 50% of the population

**NZIoC** - New Zealand Inventory of Chemicals



**NZS** - New Zealand Standard

**SDS** - Safety Data Sheet

**STOT** - Specific Target Organ Systemic Toxicity

**TWA** - Time Weighted Average

**WES** - Workplace Exposure Standard

**Disclaimer:**

This document is compiled based on current knowledge as provided by Livestock Supplies Ltd or information obtained from third party sources relating to safety and handling precautions for this product.

Grayson Wagner has taken all due care to include accurate and up-to-date information in this document and does not provide any warrant as to accuracy or completeness. The information herein is given in good faith, but no warranty, express or implied is made.