# SAFETY DATA SHEET

**Servowrap**

## Section 1. Identification of the material and the supplier

| | |
|---|---|
| Product: | **Servowrap** |
| Product Item: | E-glass / ECR Fiber Needle Mat |
| Restriction of Use: | Refer to Section 15 |
| New Zealand Supplier: | **RYANFIRE Products** |
| Address: | 11 Ashfield Road<br>Wairau Valley<br>Auckland, 0627 |
| Telephone: | +64 9 443 0362 |
| **Emergency No:** | **0800 764 766 (National Poison Centre)** |
| Date of SDS Preparation: | 9 August 2024 v2.1 |

## Section 2. Hazards Identification

Not classified as hazardous according to Regulation European Directive 67/548/EEC and Global Harmonized System(GHS) which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2017.

**Primary Routes of Exposure**: Inhalation, Skin, Eye
**Potential Health Effects**:
ACUTE (short term): Glass fiber product is a mechanical irritant. Breathing dusts and fibers may cause temporary irritation of the mouth, nose and throat. Skin contact with dusts and fibers may cause itching and temporary irritation.
Eye contact with dusts and fibers may cause temporary mechanical irritation.
Ingestion may cause temporary mechanical irritation of the stomach and intestines.
CHRONIC (long term): There is no known chronic health effects connected with long term use or contact with this product.
**Medical Conditions Aggravated by Exposure**: Respiratory or skin conditions that are aggravated by mechanical irritants may be at an increased risk for worsening from exposure to this product.

## Section 3. Composition / Information on Hazardous Ingredients

| Ingredients | Wt% | CAS NUMBER. |
|---|---|---|
| Glass Fiber Product | 98 - 100 | 65997-17-3 |
| Sizing / Binder | 0 - 2 | Mixture |

## Section 4. First Aid Measures

Routes of Exposure:

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|---|---|
| If in Eyes | Flush eyes with running water for at least 15 minutes if irritation. |
| If on Skin | Wash with mild soap and running water. To avoid further irritation, don't rub or scratch affected areas. Rubbing or scratching may force fibers into the skin. If irritation persists, get medical attention. |
| If Swallowed | If swallowed, rinse mouth with water (only if the person is conscious). Keep person warm and at rest. Do not induce vomiting. Get medical attention/advice. |

If Inhaled Remove person to fresh air and keep comfortable for breathing. If irritation persists, get medical attention.

**Most important symptoms and effects, both acute and delayed**
Symptoms: None known.

## Section 5. Fire Fighting Measures

| | |
|---|---|
| **Hazard Type** | Non-Flammable/Non-Combustible |
| **Hazards from combustion products** | Primary combustion products are carbon monoxide, carbon dioxide and water. Other undetermined compounds could be released in small quantities. |
| **Suitable Extinguishing media** | Use appropriate extinguishers(eg.Water,foam,CO2 or dry chemical). |
| **Precautions for firefighters and special protective clothing** | Use Self Contained Breathing Apparatus (SCBA) and full protective gear in a sustained fire. |
| **HAZCHEM CODE** | **None Allocated** |

## Section 6. Accidental Release Measures

Wear protective gear detailed in Section 8. Avoid contact with skin and eyes.

Prevent further leakage or spillage in water / air.

Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and fiber contamination (avoid dry sweeping). Collect and put into suitable container for disposal as a non-hazardous waste. Dispose as per Section 13.

## Section 7. Handling and Storage

**Precautions for Handling and Storage:**
- Wear appropriate personal protective equipment (See Section 8).
- Avoid contact with skin and eyes directly.

**Precautions for Storage:**
- It is recommended to store glass fiber product in a cool dry area.
- Temperature should not exceed 35°C and the relative humidity should be kept below 65 %.
- Keep product in its original packaging, as long as practicable to minimize potential dust generation.
- Avoid unnecessary handling of scrap materials.
- Please do not stack higher than two pallets.
- Glass fiber products should be used within 12 months from the delivery date to ensure optimum performance.

## Section 8 Exposure Controls / Personal Protection

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

| | **OSHA** | **ACGIH** | **NIOSH** |
|---|---|---|---|
| | (8-hr TWA) | (8-hr TWA) | (8-hr TWA) |
| **Glass Fiber Product** | 15 mg/m$^3$ | 5 mg/m$^3$ | 5 mg/m$^3$ |
| | (total dust) | (inhalable fraction) | (total dust) |
| | 5 m g/m$^3$ | 1 fiber/cm$^3$ | 3 fiber/cm$^3$ |

(respirable dust) (respirable fraction)

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14TH EDITION.

**Engineering Controls**

General dilution ventilation and / or local exhaust ventilation should be provided as necessary to maintain exposures under occupational exposure limits.

**Personal Protection Equipment**

| | |
|---|---|
| **Eyes** | Safety glasses, goggles or face shield. |
| **Skin** | Normal work clothing (long sleeved shirts and pants) and gloves are recommended. |
| **Respiratory** | Wear a properly fitted NIOSH approved disposable dust respirator. |

## Section 9 Physical and Chemical Properties

| | |
|---|---|
| **Appearance** | Solid Fibers |
| **Colour** | White or White-Yellow |
| **Odour** | Odourless |
| **Odour Threshold** | Not available |
| **pH** | Not available |
| **Boiling Point** | Not available |
| **Melting/Freezing Point** | >800 |
| **Working Temp** | Not available |
| **Freezing Point** | Not available |
| **Flash Point** | Not available |
| **Flammability** | Not available |
| **Upper and Lower Explosive Limits** | Not available |
| **Vapour Pressure** | Not available |
| **Vapour Density** | Not available |
| **Specific Gravity** | 2.6 (water = 1) |
| **Water Solubility** | Insoluble |
| **Partition Coefficient:** | Not available |
| **Auto-ignition Temperature** | Not available |
| **Decomposition Temperature** | Not available |
| **Kinematic Viscosity** | Not available |
| **Particle Characteristics** | Not available |

## Section 10. Stability and Reactivity

| | |
|---|---|
| **Stability of Substance** | Stable under normal temperature and storage conditions. |
| **Possibility of hazardous reactions** | No dangerous reactions known under normal conditions of use. |
| **Conditions to Avoid** | None known |
| **Incompatible Materials** | None known |
| **Hazardous Decomposition Products** | Sizing or binder may decompose in a fire situation. * See Section 5 of SDS for combustion products statement. |

## Section 11 Toxicological Information

**Acute Effects:**

| | |
|---|---|
| **Swallowed** | Not applicable. |
| **Dermal** | Not applicable. |
| **Inhalation** | Not applicable. |
| **Eye** | Glass dusts may cause temporary mechanical irritation to eyes and skin. |
| **Skin** | Not applicable. |

**Chronic Effects:**

| | |
|---|---|
| **Carcinogenicity** | Not applicable. |
| **Reproductive Toxicity** | Not applicable. |
| **Germ Cell Mutagenicity** | Not applicable. |
| **Aspiration** | Not applicable. |
| **STOT/SE** | Not applicable. |
| **STOT/RE** | Not applicable. |

**Glass fiber product:** The International Agency for Research on Cancer ( **IARC**) categorized glass fiber product as Not Classifiable as to Carcinogenicity to Humans (Group 3) in 1987 and affirmed this decision again in October, 2001 , based on inadequate evidence of carcinogenicity in humans and inadequate or limited evidence in experimental animals.
The American Conference of Governmental Industrial Hygienists ( **ACGIH** ) A4 classification, Not Classifiable as a Human Carcinogen, for respirable glass fiber product is based on inadequate data in terms of its carcinogenicity in humans and/or animals.
Glass fiber products that are chopped, crushed or severely mechanically processed during manufacture or use may contain a very small amount of respirable glass fiber like fragments. **NIOSH** defines "respirable fibers" as greater than 5 microns in length and less than 3 microns in diameter with an aspect ratio of ≧5:1 (length-to-width ratio).
For respirable glass fiber product, a TLV-TWA of 1 fiber/cc was adopted to protect workers against mechanical irritation. The TLV-TWA of 5mg/m3 was adopted for non-respirable glass filament fiber, measured as inhalable dust, to prevent mechanical irritation of the upper respiratory tract.

## Section 12. Ecotoxicological Information

This material is not expected to cause harm to animals, plants or fish.

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|---|---|
| **Persistence and degradability** | No data available. |
| **Bioaccumulation** | No data available. |
| **Mobility in Soil** | No data available. |
| **Other adverse effects** | No data available. |

## Section 13. Disposal Considerations

**Disposal Method:** Dispose of according to local regulations. Empty packing materials recycled or disposed also need to process under approved waste treatment regulations.

**Precautions or methods to avoid:** None known.

## Section 14 Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020**

## Section 15 Regulatory Information

Not classified as hazardous according to Regulation European Directive 67/548/EEC and Global Harmonized System(GHS) which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2017.

## Section 16 Other Information

**Glossary**

| | |
|---|---|
| Cat | Category |
| $EC_{50}$ | Median effective concentration. |
| EEL | Environmental Exposure Limit. |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms. |
| HSW | Health and Safety at Work. |
| $LC_{50}$ | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| $LD_{50}$ | Lethal dose to kill 50% of test animals/organisms. |
| LEL | Lower explosive level. |
| OSHA | American Occupational Safety and Health Administration. |
| TEL | Tolerable Exposure Limit. |
| TLV | Threshold Limit Value-an exposure limit set by responsible authority. |
| UEL | Upper Explosive Level |
| WES | Workplace Exposure Limit |

References:


1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017


Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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