

SAFETY DATA SHEET (SDS)

Zoono Z-71 Microbe Shield by Zoono Group Limited Tel: +64 9 600 1188

Prepared for TRAD Consultancy Services (Pty) Ltd

Compliant with SANS 10234:2019 (Globally Harmonized System of Classification and labelling of chemicals [GHS]), SANS 11014, & South African Regulations.

Section 1 - Identification of the Material & Supplier

Trade Name: Zoono Z-71 Microbe Shield.

Product Use: Antimicrobial Surface Protectant

Chemical Nature: Surface Sanitizer.

Manufacturer: Zoono Group Limited,
3/24 Bishop Dunn Place,
Botany South,
Auckland 2013,
New Zealand.

Local Distributor: TRAD Consultancy Services (Pty) Ltd, Johannesburg, South Africa

Email: tim.jonck@trades.com **Tel:** 079 395 9636

International Supplier Emergency Contact: 13 1126 (Australia) / 0800 764 766 (New Zealand)

Local Supplier Emergency Contact: 079 395 9636

Version date: April 2026 – Valid for 5 years

Version number: V2.1

Section 2 - Hazard Identification

GHS Classification: Not classified as hazardous.

UN Number: Not regulated

Label Elements

GHS Signal Word: None

Pictograms: None required

Hazard Statements: None

Other Hazards: Mild skin, eye, and mucous membrane irritations

Clarification: Does not meet GHS threshold classification (Section 11)

Precautionary Statements

Prevention: P262 Avoid contact with eyes, skin, clothing; P264 Wash contacted areas after handling;

P281 Use personal protective equipment (PPE) as required.

- Response:** P301+P330+P331: If swallowed, rinse mouth - do not induce vomiting.
P370+P378: Not combustible.
- Storage:** P410 Protect from sunlight
P402+P404 Store in a dry, closed container
P403+P235 Store in a cool, ventilated place.
- Disposal:** P501 Dispose of contents/container per local regulations.

Section 3 - Composition/Information on Ingredients

| Ingredient | CAS No | Conc, % | Classification (TWA & STEL) mg/m ³ |
|----------------------------------|-------------|---------|---|
| Quaternary ammonium compound | 27668-52-6 | 0.5–1.0 | Not set |
| Water + non-hazardous components | Proprietary | To 100% | Not set |

Section 4 - First Aid Measures

Emergency contacts

Poison Information Centre of South Africa: 0861 555 777 [Western Cape], 086 155 5777 [Garden City Hospital Poison Information Centre, Johannesburg]

Have this SDS document present to provide helpline with relevant info of Z-71

- Inhalation:** Move to fresh air. Seek medical attention if symptoms persist
- Skin:** Rinse with flowing lukewarm water if irritation occurs.
- Eyes:** Remove contact lenses, rinse gently with flowing lukewarm water
- Ingestion:** Rinse mouth. Do not induce vomiting.
- Symptoms/effects:** Mild irritation of skin, eyes, and mucous membranes
- Special treatment:** None (no antidote), treat symptomatically.

Section 5 - Firefighting Measures

Extinguishing

- Media:** Suitable for surrounding fire.
- Hazards:** Not flammable; Combustion may produce hazardous fumes (carbon oxides [CO_x], nitrogen oxides [NO_x], chlorine compounds). Wear protective equipment and call fire services if large quantities are involved.
- PPE:** Standard firefighting PPE.

6. Accidental Release Measures

Personal Precautions

Small spills: Wipe with absorbent material

Large spills: Wear appropriate PPE (rubber / PVC gloves & protective goggles), if vapor/mist forms also use appropriate respirator

Environmental Precautions: Prevent spillage from entering drains or waterways. Should the material enter waterways, advise emergency services.

Containment and Cleanup: Contain and collect using inert absorbent such as sand or vermiculite

Disposal: Dispose of collected material according to local regulations. This material may be suitable for approved landfill disposal – check local regulations. See Section 13 for further details.

Section 7 - Handling and Storage

Handling: Avoid unnecessary exposure and ensure ventilation. (See Section 8)

Storage: Store in Cool (room temperature) and ventilated room, away from sunlight, oxidizers, water, and any other incompatible materials (section 10). Ensure the container is properly sealed.

Section 8 - Exposure Controls/Personal Protection

Exposure Limits: None established

Engineering Controls: Adequate ventilation needed. Suggestion, use a fan.

PPE

Short-period handling: Use safety glasses [AS/NZS 1337]

Long-period handling: Protective Gloves (Rubber / PVC [AS 2161]) Protective Clothing [AS/NZS 4501 & AS/NZS 2210] Respiratory equipment [AS/NZS 1715]

Clarification: While the material does not meet the hazardous GHS threshold condition, it is recommended that you avoid prolonged contact with Z-71, that you use adequate protective equipment as listed in PPE, and that you rinse all contact areas during the handling process of the material.

Section 9 - Physical and Chemical Properties

| Property | Value |
|------------------|------------------------|
| Appearance | Clear liquid |
| Odor | Mild |
| pH | 6.0–9.0 |
| Boiling Point | ~100°C at 100kPa |
| Freezing Point | ~0°C |
| Vapor Pressure | 2.37 kPa at 20°C |
| Vapor Density | Same as for water |
| Water Solubility | Fully soluble in water |
| Specific Gravity | ~1.0 |

| Property | Value |
|------------------------------|-------------------|
| Flammability | Not flammable |
| Autoignition temp | Does not burn |
| Coeff oil/water distribution | No data |
| Evaporation rate | Same as for water |
| Odor threshold | No data |
| Volatility | No data |
| Volatiles | Water component |
| Specific gravity | ~1 |

Section 10 - Stability and Reactivity

Reactivity: Stable under normal conditions
Conditions to avoid: Sunlight & Above 30°C (keep at room temperature)
Incompatibilities: Oxidizers & Anionic detergents
Fire decomposition: Carbon dioxide, Carbon monoxide, and Nitrogen oxides
Polymerization: None.

Section 11 - Toxicological Information

Possible Routes of Exposure: Inhalation, Ingestion, Skin & Eye contact
Mutagenicity/Reproductivity: No evidence for mutagenesis or reproductive effects
Carcinogenicity: No carcinogenic effects were found by SWA, NTA & IARC
Systemic & chronic effects: No systemic or chronic toxicological effects.
Potential health/local effects: May cause mild skin, eye & mucous membrane irritation.
Clarification: Available data indicates that this product has no short- or long-term harmful effects for any of the routes of possible exposure.

Section 12 - Ecological Information

No adverse data available: None to low environmental impact expected

Section 13 - Disposal Consideration

- Do not release into drains or natural water bodies.
- Recyclable if product is unused & uncontaminated.
- Reclaimable by filtration & distillation if not significantly contaminated.
- Consider controlled incineration for complete disposal, otherwise contact waste disposal specialists or refer to local South African waste disposal regulations.
- This material may be suitable for disposal at an approved landfill facility.

Section 14 - Transport Information

UN Number: Not regulated

Hazard Class: Not applicable

Packaging Group: Not applicable

Environmental Hazards: None.

Vehicle Type: No special transport conditions required as confirmed by ADG, IATA, or MDG/IMSBC criteria, refer to local regulations for any possible additional requirements.

15. Regulatory Information

1. Compliant with SANS 10234 (GHS).
2. Ingredients compliant with SA regulatory frameworks.
3. Not classified as hazardous.
4. **AICS:** All the significant ingredients in this formulation are compliant with NICNAS regulations.

16. Other Information

1. Prepared according to South African requirements.
2. Disclaimer: Users must ensure suitability for specific workplace conditions.
3. Prepared for TRAD Consultancy Services (Pty) Ltd in April 2026.

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS.

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.