



## **RITSEAL**

### **MATERIAL SAFETY DATA SHEET**

**Date: 01/2017**

## **SECTION 1 – COMPANY & PRODUCT IDENTIFICATION**

**Supplier:** Eurotech

**Address:** 72 John St, Welshpool, WA, 6106

**Phone:** +61 (0)8 93506161

**Email:** info@eurotech.com.au

**Product:** Riteseal – Silicone Sealant

**Product Code:** ET6-50001

**Product Type:** Sealant

#### **Product Description:**

The world's most versatile all purpose, neutral silicone sealant. Used in sanitary, building, glazing and façade joints. Riteseal has specially been developed for high quality work. A sealant for high demands.

## **SECTION 2 – HAZARD IDENTIFICATION**

**Hazard Description:** N/A.

**Information in relation to dangers for humans and the environment:** This product doesn't have to be labelled due to the procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification process:** This classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

### Chemical characterization

**Description:** Mixtures of substances are listed below with non-hazardous additions.

**Dangerous Components:** NA

**Additional information:** For the wording of the listed risk phrases refer to section 16.

## SECTION 4 - FIRST AID MEASURES

**After Swallowing:** If symptoms persist consult a doctor.

**After Inhalation:** Move patient into fresh air. If breathing becomes difficult seek medical attention immediately.

**After Eye Contact:** Immediately flush with water for a few minutes, seek medical advice if necessary.

**After Skin Contact:** Wipe with paper towel and immediately clean with water and soap. Generally product does not irritate skin.

**General information:** No special measures required.

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

**Protective Equipment:** Mouth respiratory protective device.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Safety Precautions:** Ensure adequate ventilation

**Environmental Protection:** Do not allow product to enter sewers/ surface or ground water.

**Measures for Cleaning Up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### Additional information:

See section 7 for information on safe handling.

See section 8 for personal protection equipment.

See section 13 for disposal information.

## SECTION 7 - HANDLING AND STORAGE

Use only in well ventilated areas.

**Handling Precautions:** No special measures required.

**Fire / Explosion Precautions:** No special measures required.

**Storage Precautions:** No special measures required

## SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Workplace Exposure:** Not Applicable.

**Personal Protection Hygienic Measures:** Usual precautionary measures are to be adhered to when handling chemicals. Always wash hands before eating, drinking and when leaving the workplace.

**Respiratory Protection:** None required if used in well-ventilated area.

**Hand Protection:** Always wear protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests, no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Penetration time of glove material:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye Protection:** Always wear protective or safety glasses during refilling.

**Additional information about design of technical facilities:** No further data; see item 7.

**Ingredients with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### General Information:

**Form:** Pasty

**Colour:** Various

**Odour:** Characteristic

### **Change in Condition**

Melting Point/ Range: Undetermined.

Boiling Point/ Range: >300C

**Flash Point:** >100°C

**Ignition Temperature:** 200C

**Self-igniting:** Product is not self-igniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Vapour Pressure at 20°C:** 100hPa, Undetermined.

**Density at 20°C:** 1.02 g/cm<sup>3</sup>

**Solubility in / Miscibility with water:** Not miscible or difficult to mix.

**pH-value:** Undetermined.

**Solvent content VOC (EC):** 0%

## SECTION 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

**Thermal decomposition/ conditions to be avoided:** No decomposition if used according to specifications.

**Dangerous reactions:** No dangerous reactions known.

**Dangerous decomposition products:** 2-butanonoxim

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Acute Toxicity

**LD/LC50 values relevant for classification:**

**96-29-7 2-butanone oxime**

**Oral** LD50 3700 mg/kg (rat)

**Dermal** LD50 200-2000 mg/kg (rat)

**Inhalative** LC50/4 h 20 mg/l (rat)

**Skin:** No irritant effect.

**Eye:** No irritant effect.

**Sensitization:** No sensitising effects known.

**Additional Information:** The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

## SECTION 12 - ECOLOGICAL INFORMATION

**General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewerage systems.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Product Recommendation:** Disposal must be made according to official regulations.

**European waste catalogue:** 08 04 09 waste adhesives and sealants containing organic solvents or other dangerous substances.

**Uncleaned packaging Recommendation:** Disposal must be made according to official regulations.

## SECTION 14 - TRANSPORTATION INFORMATION

**Land Transport ADR/ RID: (cross-border) ADR/RID class:** NA

**Maritime Transport IMDG: IMDG Class:** NA

**Air Transport ICAO-TI & IATA-DGR: ICAO/IATA Class:** NA

## SECTION 15 - REGULATORY INFORMATION

### Labelling of treated articles:

This product contains a biocidal product for the preservation of the dry film.

Contains: 2-octyl-2H-isothiazol-3-one (CAS: 26530-20-1)

## SECTION 16 - OTHER INFORMATION

**Additional information:** The information in this MSDS is based on our present knowledge to the date of this publication. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is only a guide for safe handling, use, storage, transporting and disposal of the product.

**Department issuing MSDS:** Product safety department

### Abbreviations and acronyms::

**ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

**IMDG:** International Maritime Code for Dangerous Goods

**IATA:** International Air Transport Association

**GHS:** Globally Harmonised System of Classification and Labelling of Chemicals

**EINECS:** European Inventory of Existing Commercial Chemical Substances

**ELINCS:** European List of Notified Chemical Substances

**CAS:** Chemical Abstracts Service (division of the American Chemical Society)

**VOC:** Volatile Organic Compounds (USA, EU)

**LC50:** Lethal concentration, 50 percent

**LD50:** Lethal dose, 50 percent

## **RITSEAL TECHNICAL DATA SHEET**

**Date: 01/2017**

### **SECTION 1. COMPANY & PRODUCT INFORMATION**

**Supplier:** Eurotech

**Address:** 72 John St, Welshpool, Western Australia, 6106

**Phone:** +61 (08) 93506161

**Email:** info@eurotech.com.au

**Product:** RITETACK – Instant grab construction adhesive

**Product Code:** ET6-5000

**Product type:** Sealant/ Adhesive

**Product Description:** The world's most versatile all purpose, neutral silicone sealant. Used in sanitary, building, glazing and façade joints. Riteseal has specially been developed for high quality work. A sealant for high demands.

## SECTION 2. TECHNICAL DATA

100% Modulus	N/mm <sup>2</sup>	0,27 MPa
Application Rate @ Ø3 mm/6,3	@ Ø3 mm/6,3 bar	140 g/min
Application Temperature		+5°C till +40°C
Base		Neutral oxime
Curing Time	@23°C/50% RH	2mm/24 hours
Density		1,02 g/ml
Elongation at Break	DIN 53504	635%
Flow	ISO 7390	< 2mm
Frost Resistance during transportation		till -15°C
Joint Movement		25%
Permeability (EN 1026)		an= 0,018m <sup>3</sup> /h @ 600Pa
Permeability test		till 1050 Pa
Shore-A hardness	DIN 53505	16 Shore A
Skin Formation	@23°C/50% RH	7-8 min
Temperature Resistance		-40°C till +120°C
Tensile Strength	N/mm <sup>2</sup>	1,10 MPa

## SECTION 3. APPLICATION

### Applications:

Used in sanitary, building, glazing and façade joints.

Riteseal has specially been developed for high quality work. A sealant for high demands.

One of the many applications is for the elastic sealing of expansion joints in concrete and brickwork. Then also connection joints and glazing systems.

Roofs, gutters, glass, mirrors, bathrooms kitchens. It is also a sanitary formulation. Showers, expansion joints, industrial applications, connection joints.

The composition of Riteseal is a durable elastic. Excellent adhesion in most applications. Works with metals like steel, aluminium, stainless steel and brass. Plastics like ABS, hard PVC, hard PS, polyester and PC. Porous surfaces, such as stone or concrete require a primer.

As well as excellent adhesion to most metals, Riteseal has a non corrosive impact.

It is also mould resistant.

It is not suitable for PE, PP, PC, PMMA, PTCFE, neoprene and bituminous substrates.

Discoloration can occur in dark places and by contact with chemicals.

Always test prior to application

**Application Information:**

Compatibility of the edge seals of insulation glass with glazing sealants cannot be guaranteed by the supplier of the sealant, as the composition of the edge seals can be changed by the producer without mentioning. Advices concerning the compatibility of glazing sealants to the edge seals of insulation glass are based on experience and therefore not guaranteed.

**SECTION 4. CHARACTERISTICS**

**Colour:** Translucent

**Non Corrosive:** Towards most metals.

**Adhesion:** Primer recommended on porous surfaces.

**SECTION 5. LIMITATIONS**

**Not recommended for:** PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates.

**Paintable:** Not paintable.

**Porous surfaces:** Must be pre-treated with primer

**SECTION 6. PACKAGING**

**Cartridges:** 310ml

**Boxes:** 12 Tubes

**SECTION 7. SHELF LIFE**

**Directions:** 12 months if kept in a cool, dry place and stored in temperatures between +5C to +25C.

**SECTION 8. SURFACES**

State of surface: Must be clean and sound. If necessary use a primer. NOTE: Adhesion tests prior to application are recommended.

**SECTION 9. HEALTH & SAFETY**

MSDS details must be read and understood before use. These details are at the start of this document.

**SECTION 10. GUARANTEES**

The information in this TDS is based on our present knowledge to the date of this publication. This is only a guide for safe use, storage & application and does not establish a legally valid contractual obligation. Eurotech guarantees the product complies with all specifications within its shelf life.