



RITE SECURE AND SEAL

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: Rite Secure and Seal

Product Code: ET6-50002

Product Type: Adhesive and Sealant

Product Description: Rite Secure and Seal is a versatile construction adhesive and sealant. It is a one component composition. A high-modulus polyurethane. It cures under influence of humidity. Used in coachwork and roofing. Also for timber, shipbuilding, DIY and more. Rite Secure and Seal is a professional series product. It has been developed for high quality work.

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.

Additional Information: Contains isocyanates. May produce an allergic reaction.

SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization

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

Dangerous components:

CAS: 1330-20-7 EINECS: 215-535-7	xylene ☒ Xn R20/21; ☒ Xi R38 R10	2.5-10%
	☒ Flam. Liq. 3, H226; ☒ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	

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: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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: Pick up mechanically

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 with exhaustion methods in place.

Handling Precautions: No special measures required.

Fire / Explosion Precautions: No special measures required.

Storage Precautions in one common storage facility: Do not store together with oxidizing and acidic materials.

Further Information About Storage: Protect from heat and direct sunlight.

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. Do not eat, drink, smoke or sniff while working. 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

Flash Point: >61°C

Ignition Temperature: 500°C

Self-igniting: Product is not self-igniting.

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

Vapour Pressure: Undetermined.

Density at 20°C: 1.2 g/cm³

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

pH-value: Undetermined.

Solvent content VOC (EC):

VOC (EC) 7.73 %

VOC (EC) 92.8 g/l

Viscosity:

Dynamic at 20 °C: 600000 mPas

SECTION 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

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

Dangerous reactions: Reacts with alcohols, amines, aqueous acids and alkalis.

Dangerous decomposition products:

Hydrogen chloride (HCl)

Hydrogen cyanide (prussic acid)

Isocyanate

Carbon monoxide and carbon dioxide

Sulphur oxides (SO_x)

During the crosslinking / polymerization: Carbon Dioxide

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity

LD/LC50 values relevant for classification:

1330-20-7 xylene

Oral LD50 4300 mg/kg (rat)

Dermal LD50 2000 mg/kg (rabbit)

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.

People who have a history of asthma, skin sensitization or respiratory disease should not handle this mixture.

SECTION 12 - ECOLOGICAL INFORMATION

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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/Void

Maritime Transport IMDG: IMDG Class: NA/Void

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

SECTION 15 - REGULATORY INFORMATION

Assessment:

Has not been carried out.

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.

Relevant phrases

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H332 Harmful if inhaled.

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

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 Harmonized 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

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

RITE SECURE AND SEAL 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: RITE SECURE AND SEAL – Construction adhesive and Sealant

Product Code: ET6-50002

Product type: Sealant/ Adhesive

Product Description: Rite Secure and Seal is a versatile construction adhesive and sealant. It is a one component composition. A high-modulus polyurethane. It cures under influence of humidity. Used in coachwork and roofing. Also for timber, shipbuilding, DIY and more. Rite Secure and Seal is a professional series product. It has been developed for high quality work.

SECTION 2. TECHNICAL DATA

100% Modulus	N/mm ²	0,60 MPa
Application Rate	@ Ø4 mm/3 bar	120 g/min
Application Temperature		+5°C till +40°C
Base		Polyurethane
Curing Time	@23°C/50% RH	3.5mm/24 hours
Density		1,22 g/ml
Elongation at Break		500%
Flow	ISO 7390	< 3mm
Frost Resistance during transportation		till -15°C
Joint Movement		25%
Shore-A hardness	ISO 868	42 Shore A
Skin Formation	@23°C/50% RH	70 min
Temperature Resistance		-30°C till +70°C
Tensile Strength	N/mm ²	1,10 MPa
Shearing Strength	N/mm ²	1,50 MPa 14 days curing
Viscosity		Thixotropic

SECTION 3. APPLICATION

Applications:

Interior and exterior floor joints. Wall expansion joints.

Brilliant for elastic bonding. Works with metal. For mechanical construction. For body work. Also used in ship building and containers.

Refrigerating plants. Automotive, caravan, mobile homes. Aircraft and the railway industries. Gluing of panels. Also skirting boards and windowsills.

Surfaces must be dry, clean and solid. If necessary use a primer. Apply as an adhesive in vertical stripes. Application temperature: +5C to +40C. Test adhesion prior to application.

Mostly use white spirits to clean. To be used immediately before it dries. Hardened sealant can only be removed mechanically. To clean hands use soap and water.

Application Information:

A joint with the correct dimensions is able to absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width till 10 mm is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6mm.

One feature is its permanent elasticity.

For interior or exterior use.

Excellent adhesion in most applications. Works with MDF, brick, and concrete. Also natural stone. Ceramic tiles and aluminium. Works with metals like steel and stainless steel. Also brass, zinc, copper. Most hard plastics.

Paintability:

Rite Secure and Seal is paintable with water based and most 2 component paints. Synthetic paints can dry slower. It is recommended to test compatibility with paint prior to application. If it is being painted over (not necessary), we recommend to slightly sand the sealant and the junction surfaces prior to use. For the best results, we recommend to paint within a few days after application.

SECTION 4. CHARACTERISTICS

Colour: Grey

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

Chlorine: Not suitable in combination with chlorides (pools)

SECTION 6. PACKAGING

Cartridges: 600ml

Boxes: 12 Sausages

SECTION 7. SHELF LIFE

Directions: 12 months after production date 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.

