



RITE POWER-X

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: ET6-50003

Product Type: Sealant

Product Description:

Power-X is a versatile adhesive and sealant. A performer in industrial adhesives.

It is a one component, high-modulus composition. It cures under influence of humidity.

Used on polystyrene, coachwork, roofing, timber, shipbuilding, DIY and more.

Power-X is a professional series product from the Rite Adhesives range. It has been specially developed for high quality work.

SECTION 3 – 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 Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate,



N-(3(trimethoxysilyl)propyl)ethylenediamine, N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine, dioctyltinbis(acetylacetonate). 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: 28553-12-0 EINECS: 249-079-5 Reg.nr.: 01-2119430798-28-xxxx | di-"isononyl" phthalate substance with a Community workplace exposure limit | 10-<30% |
| CAS: 2768-02-7 EINECS: 220-449-8 Reg.nr.: 01-2119513215-52-xxxx | trimethoxyvinylsilane  Flam. Liq. 3, H226;  Acute Tox. 4, H332 | 1-<5% |

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

Control Parameters

| | |
|--|--------------------------------------|
| Ingredients with limit values that require monitoring at the workplace: | |
| 28553-12-0 di-"isononyl" phthalate | |
| WEL | Long-term value: 5 mg/m ³ |

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.

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: >34C

Flash Point: >100°C

Ignition Temperature: 420C

Self-igniting: Product is not self-igniting.

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

Decomposition temperature: Not determined.

Vapour Pressure: Undetermined.

Density at 20°C: 1.58 g/cm³

Relative Density: Not determined

Vapour Density: Not Determined

Evaporation Rate: Not Determined

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

pH-value: Undetermined.

Explosion Limits:

Lower: 0.1 Vol %

Undetermined

Upper: 0.2 Vol %

Undetermined

Solvent content:

VOC (EC) 2.40%

VOC (EC) 37.9 g/l

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.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity Based on available data, the classification criteria are not met.

Primary irritant effect:

Aspiration hazard Based on available data, the classification criteria are not met.

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety 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.

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

Acute Tox. 4: Acute toxicity, Hazard Category 4

RITE POWER-X 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: Power-X is a versatile adhesive and sealant. A performer in industrial adhesives. It is a one component, high-modulus composition. It cures under influence of humidity. Used on polystyrene, coachwork, roofing, timber, shipbuilding, DIY and more. Power-X is a professional series product from the Rite Adhesives range. It has been specially developed for high quality work.

SECTION 2. TECHNICAL DATA

| | | |
|--|-------------------|------------------------------------|
| 100% Modulus | N/mm ² | 1,35 MPa |
| Application Rate @ Ø3 mm/6,3 | @ Ø2.5 mm/6,3 bar | 150 g/min |
| Application Temperature | | +5°C till +40°C |
| Base | | Hybrid |
| Curing Time | @23°C/50% RH | ±2-3mm/24 hours |
| Density | | 1,58 g/ml |
| Elongation at Break | | 400% |
| Flow | ISO 7390 | < 2mm |
| Frost Resistance during transportation | | till -15°C |
| Joint Movement | | 25% |
| Permeability (EN 1026) | | an= 0,018m ³ /h @ 600Pa |
| Permeability test | | till 1050 Pa |
| Shore-A hardness | DIN 53505 | 52 Shore A |
| Skin Formation | @23°C/50% RH | 10 min |
| Temperature Resistance | | -40°C till +90°C |
| Tensile Strength | N/mm ² | 2,20 MPa |

SECTION 3. APPLICATION

Applications:

Panels, skirting boards, windowsills and mirrors. Also roofing, coachwork, metal connecting joints and shipbuilding.

One feature of Rite Power-X 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 and copper. Most plastics and ABS. Always test prior to application

Application Information:

Surfaces must be dry, clean and solid. If necessary use a primer. Apply as an adhesive in vertical stripes. Test Rite Power-X adhesion prior to application.

In most situations 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.

SECTION 4. CHARACTERISTICS

Colour: White

Non Corrosive: Towards most metals.

Adhesion: Primer recommended on porous surfaces.

SECTION 5. LIMITATIONS

Not recommended for: Natural stone and mirrors, or in combination with chlorides.

Paintable: Water based and most 2 component paints. It is recommended to test compatibility with paint prior to application.

Porous surfaces: Must be pre-treated with primer

SECTION 6. PACKAGING

Cartridges: 300ml

Boxes: 12 Tubes

SECTION 7. SHELF LIFE

Directions: 18 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.