



Essentials for Adventure

## Aquasure® Toluene Free Data Sheet

**Product group** Urethane adhesive

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**Product description** Aquasure® permanently bonds, seals and waterproofs hundreds of materials. This unique formula is the industry standard for maximum bond strength, abrasion resistance, flexibility and waterproofing. Physically, Aquasure is a high viscosity gel that cures to an extremely elasticated, clear urethane rubber. Since it is a thermoset urethane, cured Aquasure is impervious to solvents (such as petrol) or extremes of temperature (-40°C to +200°C). Aquasure is ideal for bonding neoprene, fabrics, latex, trilaminates, PVC, Hypalon®, natural and synthetic leather, foams, composites and many plastics. This specialized formula is ideal for sealing stitching and reinforcing high stress areas on wet suits, dry suits, Hypalon and PVC boats and hundreds of other items. Aquasure also makes an ideal abrasion patch for high wear areas such as knees, seats and luggage bottoms. Seals and repairs made with Aquasure generally last the life of the item.

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**Characteristics** Concentrated urethane rubber formula. Minimal shrinkage. Requires only one application. Thermoset rubber, unaffected by solvents or extremes of heat or cold (-40°C to +200°C).

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**Accelerator** Cotal 240™.

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**Surface condition** Clean and dry surface, using Cotal 240 or isopropyl alcohol. Non-fabric surfaces such as latex should first be keyed with sandpaper, and then cleaned.

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### **Instructions for use**

- Application
- Apply using a brush, spreader or adhesive gun. (For use with adhesive guns use Cotal 240 High Viscosity (item No 12715)).
- For seams apply a 2mm thick bead, overlapping seam edges by at least 5mm. Apply with slight pressure to saturate fabric surfaces.
  - For holes and tears, create backing with removable tape and fill void, overlapping void edges by 5mm. Remove tape after full cure.
  - For patch application on fabrics and breathable laminate, apply Aquasure, then apply patch over damaged area. Wipe away excess adhesive.
  - For high wear areas apply thin layer of Aquasure and apply patch.
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## Instructions for use when using Cotol 240™ as accelerator

- Mixing ratio (by volume) 1 part Cotol 240 with 3-4 parts Aquasure.
- Mix thoroughly on a non-absorbent surface.
  - Immediately apply the mixture.

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## Application Recommendations

- Conditions
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|-------------------|---|
| Temperature       | 5 - 35°C.   |
| Relative humidity | There is no recommendation on humidity other than that you need some. |
- Higher temperatures will give faster cure times than higher humidity
- Equipment Firm brush. Plastic spreader or McNett adhesive guns, manual or pneumatic.
- Number of coats Apply in one even coat.
- Cleaning of equipment Cotol 240 or isopropyl alcohol.

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## Drying Times

10 - 14hrs.. (Dependent on temperature and humidity).  
2 - 3 hrs. with Cotol 240 accelerator. (Dependent on temperature and humidity).

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## Physical & Chemical properties

PHYSICAL FORM	ODOUR	RELATIVE DENSITY	SOLUBILITY	CHEMICAL STABILITY	FLASH POINT (°C)
Light (or pale) straw liquid	Characteristic of solvents	0.95 - 1.05 @ 25°C	Soluble in organic solvents	Stable under normal conditions	42 CC (Closed cup).

Refer to Safety Data Sheet for more detailed information.

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## Storage

Store original packed tubes in a cool dry place. Storage for opened tubes: Advance contents to tube neck. Wipe clean and cap. Keep in a cool dry place or, for extended life, in freezer. For thawing or for easier flowing contents, soak tube in warm water for 15 minutes.

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## **Packing**

250ml OEM tube @ 64 per box.  
28gr tube.  
7gr tube.

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## **Safety precautions**

Wear protective clothing and gloves at all times. Use only in well ventilated areas. In case of insufficient ventilation wear suitable respiratory equipment.

Refer to Safety Data Sheet for more detailed information.

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## **R & S statements**



Xn Harmful

R10; R20/21; R38 & R42.  
S2; S23; S24; S36/37; S38; S45 & S60.

Refer to Safety Data Sheet for more detailed information.

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## **Supplementary information.**

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Contains isocyanates. See information supplied by the manufacturer.

Hazardous Ingredients: Diphenylmethane-4,4'-diisocyanate, Xylene and Polyurethane Prepolymer

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## **Warranty**

The information provided is to the best of our knowledge. However, we, do not assume legal responsibility for use or reliance there on. We disclaim all warranties expressed or implied including the fitness for a particular purpose. Data may be subject to modification without previous notice. Please check validity.

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