

# ThreeBond

January 23, 2004  
Three Bond Co., Ltd.

## Technical Data

### ThreeBond 3911D

#### Gasket remover

#### 1. Outline

ThreeBond 3911D is a non-chlorine gasket remover designed to remove solid and liquid gaskets.

(Hereinafter, ThreeBond 3911D is abbreviated to TB3911D.)

#### 2. Features

- (1) No content of chlorine solvents
- (2) Excellent releasing performance

#### 3. Uses

- (1) Removal of solid and liquid gaskets
- (2) Removal of contaminants

#### 4. Properties

**Table - 1**

Item	Unit	Property	Test method	Remarks
Appearance	-	Clear	3TS-201-01	
Viscosity	mPa·s	130	3TS-210-01	BL, No.2, 60 rpm
Specific gravity	-	0.85	3TS-213-01	
Heating residue	%	2.7	3TS-217-93	

## 5. Characteristics

### 5.1 Test results

**Table - 2**

Item	Result
1) Liquid gasket ThreeBond 1102 ThreeBond 1104 ThreeBond 1207C ThreeBond 1215	Dissolved Dissolved Peeled Swelled
2) Rubber NBR SBR CR NR	Swelled Swelled Swelled Swelled
3) Metal Steel sheet Aluminum Copper Brass	No corrosion No corrosion No corrosion No corrosion

**Table - 3**

Item	Result
4) Plastics Acrylic resin Polycarbonate ABS resin Polystyrol Polyvinyl chloride Polyacetal Nylon 6 Polyethylene Polypropylene Phenolic resin Melamine resin	Dissolved Dissolved Dissolved Dissolved Dissolved No change No change No change No change No change No change No change

### 5.2 Test methods

- 1) Influence on liquid gaskets (Table 2)
  - (1) Apply each liquid gasket to a thickness of 0.2 to 0.3 mm to a cold-rolled steel sheet 25 × 100 × 1 mm.
  - (2) After leaving the sheet covered with the gasket in an environment with a humidity of 50% at 25°C for 24 hours, heat it at 100°C for 3 hours to prepare a test piece.
  - (3) Apply TB3911D to the test piece.
  - (4) Observe the state of the test piece after 5 minutes.
- 2) Influence on rubber (Table 2)
  - (1) Apply TB3911D to each test piece.
  - (2) Observe the state of the test piece after 5 minutes.
- 3) Influence on metal (Table 2)
  - (1) Apply TB3911D to each test piece.
  - (2) Observe the state of the test piece after 24 hours.
- 4) Influence on plastics (Table 3)
  - (1) Apply TB3911D to each test piece.
  - (2) Observe the state of the test piece after 1 hour.

## 6. Usage

- (1) Shake the can well prior to use.
- (2) Select the normal spray button or the button with nozzle depending on the shape of the part to be treated.
- (3) Before applying the gasket remover, mask the areas to which the remover must not be applied with newspaper or the like.
- (4) Spray an appropriate amount of the remover at a distance of 5 to 10 cm from the area to be treated.
- (5) After 5 to 10 minutes, the gasket and packing will swell and soften. Remove them with a spatula. If they cannot be removed on the first attempt, repeat the above operations.
- (6) After the completion of treatment, remove residues with a brush or waste cloth.
- (7) After using, turn the can upside down, and spray the remover for 2 seconds into an empty box or the like to prevent clogging of the nozzle.

## 7. Instructions for use

- (1) Do not use the gasket remover for any purpose other than the above-mentioned purpose.
- (2) This product is harmful to the health. Do not inhale or drink it.
- (3) Keep it out of reach of children.
- (4) Do not use it on the human body.
- (5) Its vapor is harmful. Use it in a well-ventilated place.
- (6) If it gets in the eyes or on the skin, it may cause an inflammation. Use protective goggles and gloves.
- (7) If it is swallowed, rinse the mouth immediately. Do not induce vomiting forcibly. Bring this product when consulting a doctor.
- (8) If it gets in the eyes, immediately wash them with tap water for 15 minutes or more, and get medical attention.
- (9) If it adheres to the skin, wipe it away with water or soapy water.
- (10) If you feel bad while using it, stop using it, and keep quiet in a well-ventilated place. If you do not recover, get medical attention.
- (11) Do not place it in any place where it will be exposed to direct sunlight or temperature of 40°C or more or in a car. Doing so may burst its can.
- (12) It may stain clothes. Take care not to splash it on clothes.
- (13) To avoid spraying only the gas, keep the can upright with the spray button up while spraying.

- (14) It can affect painted surfaces and plastic and rubber parts. Take care not to spray it over these surfaces or parts.
- (15) At a low temperature of 5°C or less, its viscosity reduces, and the retention of the liquid deteriorates. Use it at normal temperature if possible. Low temperature does not affect its removing property.
- (16) For hazard and toxicity information not mentioned herein, see the MSDS (material safety data sheet).

## 8. Storage and disposal

- (1) Do not place the product in any place where it will be exposed to direct sunlight or temperature of 40°C or more, it may be easily rusted or splashed with water, the humidity is high or it may freeze.
- (2) After the remover has all been used, keep pressing the button until the spraying sound disappears in an outdoor area without fire to completely discharge the gas. Then, dispose of the can.

## 9. Safety precautions

**For industrial use only**

(It is not intended for household use)

Before using the product, approve the following conditions of sale.

- (1) This technical information gives experimental values obtained by our specified test methods. We cannot thoroughly guarantee the correctness and perfectness of the data.  
The user should determine whether the product is appropriate to the use and purpose before using it, and take all responsibilities for danger caused by it. The guarantee applies only to replacement of apparently defective product.
- (2) We are not liable to injuries and damages caused by improper handling of this product.
- (3) We do not take responsibility for any matter not mentioned herein unless otherwise mutually agreed in the contract.