

ThreeBond

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Three Bond Fine Chemical Co., Ltd.

Technical Data

ThreeBond 6602P

Brake & Parts Cleaner

1. Product description

ThreeBond 6602P is an easy-to-use, quick-drying cleaner dedicated to automotive brake shoes, brake drums and mechanical parts. Oil, grease and other stains can easily and in a sanitary manner be cleaned off.

2. Features

- (1) Stains on brake shoes and brake drums can be easily washed away.
- (2) Oil and grease stains on mechanical parts can be easily cleaned.
- (3) Because it is quick-drying, it improves workability.

3. Applications

Cleaning of automotive brake shoes and brake drums and degreasing of mechanical parts

4. General properties

Table 1 Properties

Test item	Unit	Result	Test method
Appearance	-	Colorless	3TS-201-01
Heating residue	%	0.00	3TS-217-01
Density	g/cm ³	0.69	JIS K 2249
Drying property	g	30	Refer to test method.

5. Characteristics

Table 2 Cleaning performance

Test item	Test result	Test method
Brake fluid	Pass	Refer to test method.
Gear oil	Pass	Refer to test method.

Table 3 Influence on materials

Resin		Metal	
Polypropylene	No problem	Cast iron	No problem
Nylon	No problem	Steel	No problem
Polyethylene	No problem	Aluminum	No problem
Phenol	No problem	Brass	No problem
ABS	No problem	Copper	No problem
PPO	No problem	Zinc	No problem

Refer to test method.

6. Usage

1) Drying property

- (1) Spray ThreeBond 6602P over the whole surface of brake lining (for ordinary vehicles) for 10 seconds.
- (2) Measure the time from spraying until it is visually seen that the brake lining surface is completely dry.
- (3) Keep the brake lining to be tested and ThreeBond 6602P at 25°C before the test, and conduct the test at 25°C and 60% RH.

2) Cleaning performance

- (1) Pour 50 ml of the cleaner liquid and 1 ml of oil and grease (both at 25°C) into a 100-ml glass container, and stir them vigorously.
- (2) Then, allow the liquid to stand for 5 minutes, and observe the condition. If the oil and grease have uniformly dissolved, the product is regarded as acceptable.

3) Influence on materials

- (1) Completely immerse each test piece in the cleaning liquid at 25°C.
- (2) After 30 minutes, take out, and allow to stand while drying by air blower.
- (3) After 5 minutes, visually check the surface to obtain the test result.
- (4) For the resins, use 100 x 10 x 2 mm test pieces. For the metals, use test pieces specified in “7.6 Metallic corrosion test” of JIS K 2233.

7. Warning (FLAMMABLE · IT MAY RUPTURE.)

- * This product is harmful to the health. Do not inhale or ingest.
- * It is flammable. Do not bring it near fire.
- * Inhalation of its vapor can harm the health. Use it in a well-ventilated place.
- * In case of sensitive skin or prolonged use, wear protective gloves.
- * Do not use toward the human body.

- * The container may rupture at a high temperature. Do not leave it in a place where it will be exposed to direct sunlight or temperatures of 40°C or more, particularly near the front or rear window, on a seat or near the fan heater outlet.
- * Keep the product out of reach of children.

8. First aid

- * If ingested, do not induce vomiting and immediately seek medical attention.
- * If it gets in the eyes or adheres to the skin, immediately wash them with clean water for 15 minutes or more. If any abnormality is found, get medical attention.
- * If you feel sick while using it, stop using it, and keep quiet in a well-ventilated place. If you do not feel restored, get medical attention.

9. Directions for use and usage

- * Do not use the product for any purpose other than the above-mentioned application.
 - * Do not spray a large amount of this agent over rubber or plastic parts.
 - * Take care that it will not adhere to clothes. The clothes may be stained.
 - * Do not use with the container upside down.
 - * For hazard and toxicity information not mentioned herein, see the MSDS (material safety data sheet).
- (1) Put the liquid receiver under the part to be cleaned.
 - (2) Fit the supplied nozzle, check the spray direction, and set the nozzle at a distance of 30 to 40 cm from the area to be cleaned. Spray the cleaner lightly to moisten the entire area. Then, spray with the nozzle close to the stain.
 - (3) If the cleaner is kept in any mechanical part or is not dried on any surface, wipe the part or area with cloth or dry it with an air blower before reassembling.
 - (4) In case of heavy staining, use a brush, waste cloth, etc.
 - (5) If the part has not dried completely, the braking force may temporarily reduce. Perform braking force test twice or three times to check the braking force before starting the vehicle.

10. Storage and disposal

- 1) Do not store it in a place where it will be exposed to direct sunlight, the temperature may exceed 40°C or it may easily rust owing to splash of water or high humidity, or it may freeze.
- 2) Dispose of the container after the cleaner has all been used. Completely discharge the gas by pressing the button in the open air without fire until the injection sound disappears, and dispose of it.
- 3) Treat the dust on the receiver and used cloth as industrial waste.

11. Precautions

For Industrial Use Only

(Do not use for household purposes.)

Before using this product, the user must accept the following sales terms:

- (1) The technical data given herein are experimental values obtained by our specified test methods. We do not absolutely guarantee the correctness and integrity of the data. Users are asked to examine by themselves whether the product is appropriate to the purpose of use before they use it and bear all responsibilities and hazards involved in its use.
- (2) We are not liable for personal injury or property damage caused by improper handling of this product.
- (3) We are not liable for any matter not mentioned herein unless otherwise specified in the contract.