



CHWEN SHYANG ENTERPRISE CO., LTD.

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CH-33201 Water Base Anti-Rust inhibitor Technical Data Sheet

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CH-33201 Water Base Anti-Rust inhibitor is an easy to apply, cost effective, long lasting and safe to use. This special industrial formulation is a non-flammable, low V.O.C.'s, fast drying, on-component, water based solution designed to convert existing rust and inhibit further corrosion. It is a one-step rust treatment to protect metal surface or act as a primer for the finishing coat. CH-33201 Water Base Anti-Rust inhibitor will convert any existing rust they come in contact with. After it applies on a rusted surface and within minutes the rust is converted to a durable black semi-gloss protecting coating.

FEATURES

- Works by a chemical reaction, not a simple physical covering, to convert the rust into a long lasting protective coating and prevents new rust formation.
- Simplifies the rust treatment application. Fast and effective. Can be sprayed, dipped, brushed or poured on hard to reach rusted areas.
- Environmentally friendly. Non-caustic, non-corrosive, and non-flammable, no dangerous solvents and no unpleasant odor.
- Most effective on steel, iron, and other commercial industrial metals.
- Use alone as a black semi-glossy finish coat or can be top-coated if desired.

SPECIFICATIONS:

Appearance:	Milky off-white aqueous liquid
Odor	Mild
Product Type	Acid-modified emulsion
Viscosity	Flow similar to SAE 20 Motor oil
Specific Gravity, gm/cm ³ :	1.2 – 1.3
Flash Point	None, aqueous medium
Finish	Semi gloss
Temperature use range:	-18°C to 120°C
Shelf life	One year at 77°F (25°C)

TYPICAL APPLICATIONS

Pipes, valves, fitting, iron gate, guardrails, water tanks, industrial equipment, tools, fixtures and brackets, domestic and commercial heating/cooling plants, oil handling equipment, heavy machinery and, chain link fence components. Automobile undercoat for trucks, trailers, storage tank, hatch covers, and snow removal equipment. Outdoor advertising sign metal support/ frames, and traffic posts and frames. Agricultural equipment, harvesters, plows, disc, tractors and storage sheds. Chemical plants, steel mills, electric utilities, support steels, and finished products for machine shop.

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APPLICATION PROCEDURES: SURFACE PREPARATION

- 1). All surfaces to be coated must be free of all oils, grease, dust, old paint and loose rust. It is recommended that a detergent should be used if oils or greases are found on the surface.
- 2). Loose or flaky rust should be removed preferably by an emery cloth, manual wire brushing, chipping, and scraping or power wire brushing. Only conversion of firmly bonded rust will result in durable protection.
- 3). Wash with water to remove residual powder.
- 4). A sandblasted or rough surface may improve adhesion.

APPLICATION METHODS:

Dipping: Do not introduce air bubbles. Insert item 1" every 5 seconds and remove with the same rate. Allow to completely dry before applying additional coats to desired thickness.

Brush or roller: Apply wet overlapping coats using a foam brush, pad or roller.

Spray: Apply a uniform coating to the metal surface using a spray gun.

- 1). Gently stir CH-33201 Water Base Anti-Rust inhibitor before each use. Pour a small quantity into a non-metallic container. Do not use a metal container as CH-33201 Water Base Anti-Rust inhibitor will start to react.
- 2). Apply a uniform coat to the metal surface. For best protection results, application of two coats for 3 to 4 mils dry film thickness is recommended. Depend on the room temperature; the second coat should be applied within 15 to 30 minutes of the first coat.
- 3). Allow overnight drying whenever possible before applying finish paint. To speed drying, mild heat (95°F-110°F / 35°C – 44°C) and airflow may be applied. Avoid excess air movement, heat or humidity.
- 4). Do not stack or store components in contact with each other before the coating is fully dried.
- 5). Clean the brush and roller immediately after use with detergent and water. Do not return any unused products into the original container.

Coverage: CH-33201 Water Base Anti-Rust inhibitor will cover 400 to 600 square feet per gallon depending on the coating thickness applied.

CHEMICAL AND ENVIRONMENTAL RESISTANCE

- Petroleum: Excellent
- Acids or alkaline: good
- Alcohols, ketones and chlorinated solvents: limited
- Satisfactory rust protection for exterior exposure without topcoat in mild environments. For severe environments, a suitable topcoat is required.

SAFETY, HANDLING AND STORAGE:

Read Material Safety Data Sheet before use. Wear impervious gloves and/or barrier cream. Prolonged skin contact should be avoided to prevent irritation. If any material contacts the eyes, flush continuously with water or neutralizing solutions, and then consult a physician immediately. Spilled clothes should be soaked with cold tap water as soon as possible and washed out before it dries. Do not use ammonia, strong alkali detergents or hot water for clean up. Once dried, strong solvents such as paint remover will be required to remove. Our CH-33201 Water Base Anti-Rust inhibitor from clothes and equipment. Mechanical abrasion may be necessary. Store the product in original container. Store between 8° and 28°C (46° and 82°F). Protect from freezing. Do not contaminate the stock solution by dipping rusted parts or brush in original container or pouring used materials back into the original bottle; only decant what is needed for the job. Note: The descriptions, data and information contained herein are presented for your guidance only. We cannot assume responsibility for the results obtained by others over whose methods we have no control, because many factors may affect the final performance of this product. We recommend that you make tests to determine the suitability of a product for your particular purpose prior to use this product. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from the sale or use of Chwen Shyang Enterprise Co., Ltd. products. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Chwen Shyang Enterprise Co., Ltd. hereunder are given gratis and Chwen Shyang Enterprise Co., Ltd. assumes no obligation or liability for the description, designs, data and information given here. If additional information is required, please contact our Customer Service Representative.

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