

**Product combines with rust to create an almost impenetrable coating over metals and steel.**



RAW's non-caustic formulation prevents oxidation from recurring by creating an impermeable barrier to oxygen and moisture.

#### **RAW Biochem Is**

Readily Biodegradable  
Non-Reactive  
Non-Toxic  
Non-Corrosive  
Non-Hazardous  
Not Flammable  
Contain No VOC's

#### **RAW Biochem Products Do NOT Contain**

Petroleum Distillates  
Glycol Ethers  
Caustics  
Ozone Depleting Agents  
Nonylphenols  
Endocrine disruptors

[www.rawbiochem.com](http://www.rawbiochem.com)

The safest and most effective rust preventative treatment for previously rusted or new metals is RAW's Rust Converter. After the majority of rust is mechanically or chemically removed from a surface, the RAW treatment is applied.

Unlike paints and other surface applied materials, the proprietary solution transforms rust into gray/black iron phosphate which interrupts the rusting process. Converter chemically combines rust and the now scarred metal to create an almost impenetrable, virtually indestructible shell which is impervious to the effects of oxygen and moisture. The bonded coating is oblivious to most forms of environmental degradation and will provide years of rust free protection

#### **Rust and Corrosion Remover & Converter:**

- Can be used as a spray, a bath or through an injection process,
- Leaves a permanent chemically bonded surface coating to prevent rust from re-occurring.
- Will not damage or contaminate metals or welds

#### **Additional benefits:**

- Reduced work safe costs and worker safety issues disappear as no breathing apparatus, gloves, special clothing or special equipment other than standard safety goggles are needed.
- There are no environmental charges or disposal fees after use.
- It is non-corrosive and will not damage metal or plastic surfaces.

## TECHNICAL DATA SHEET

### Description

RAW's Rust Converter is a concentrated blend of readily biodegradable ingredients which revert back to their original state when in contact with naturally occurring micro-organisms, oxygen and water.

This product is NOT for use on non-ferrous metals.

It is compatible with many surfaces and will not harm most glass, hoses, decals, plastic, rubber or vinyl and paints.

Effective for use on most painted surfaces for removal of surface rust.

Physical State	Liquid
Colour	Opaque White
Odour	Mild
pH	3.1 – 3.3
Base	Plant Extracts
Persistence & Degradability	Readily Biodegradable

### Directions for Use

- Shake well before use. Avoid freezing.
- Remove all oil, grease, salt or other chemicals with a strong water-soluble cleaner such as RAW HD Degreaser.
- Remove blistered or loose paint, loose rust scale, and heavy rust buildup. \*Do not remove all rust as product performs best when a thin layer of rust remains on the surface.
- Pour estimated amount of Rust Converter to be used into clean container. Excess material cannot be returned to original container use.
- Avoid getting on skin. Work RAW's Rust Converter into surface with a nylon bristle brush. For large areas product can be rolled on or

applied using an HVLP spray gun.

- 2nd coat must be applied 20 - 30 minutes after first coat. Only apply to areas small enough to add 2nd coat within this window. 2nd coat should be applied in a cross direction to the first.
- Allow to dry for 24 hours. Rust and Corrosion Converter will dry to a matte black finish.
- Clean up equipment immediately after application using water and RAW HD Degreaser. Once Rust Converter dries it will be difficult or impossible to remove.
- Apply Rust Converter when the temp is between 10°C – 32°C (50°F - 90°F). Avoid direct sunlight and windy conditions. Apply to dry or damp (not wet) surfaces only.

### C.H.A.T.

**Chemical:** Unlike typical petrochemicals, RAW formulations may not perform as well with higher concentrations of product than they would with higher dilution rates. In a new process or application, trials are strongly recommended to achieve the correct chemical concentration.

**Heat:** The optimum temperature ranges from 43°C – 80°C. Product can be used in steam applications up to 490°C (540°F).

**Agitation:** Where applicable, agitation aids in dislodging soils from surfaces so they can be rinsed away.

**Time:** Dwell time is dependant on the application, heat and chemistry but generally speaking, longer dwell times enable more satisfactory results.