



TECHNICAL DATASHEET

PRODUCT NAME – RUST-X Aquaflush

PRODUCT CODE – AQ 03 for Ferrous and Aluminum

PRODUCT DESCRIPTION

Aquaflush AQ03 is a water based cleaning agent based on organic compounds which effectively dissolve oils and loosen dirt and grit particles. Any iron particles & chips are also removed due to the dissolution action of oils binding these particles onto the component.

The product is totally free from any irritating chemicals that are usually present in generic cleaners. The product also prevents corrosion on the components usually caused due to water in the washing media.

There is no powder formation on the metal parts like in the case of caustic based washing agents. There is no need to have raised temperatures during washing. This saves on energy costs as it works well at ambient temperatures. Aquaflush can be dosed between 2-5% in water depending upon the dirt level on the part and cleanliness level required.

This can be used in Spray Jet Washers, Ultrasonic washer or manual cleaning of large equipment using sponge.

For Aluminum, AQ 04 is recommended. For Export Components, it is recommended to use CL005 Solvent based cleaning agent or dewater parts washed with AQ03 with CL005 so that no water is carried over into packaging while exports.

All RUST-X rust preventive oils are Barium & Heavy Metal Free.

FEATURES

- Heavy-duty temporary coating remover
- Good for light oils and greases
- Will not affect painted surfaces
- Non-flammable
- Mostly used at room temperature, thus reducing energy consumption. Can also be used in a heated bath for removal of heavy hydrocarbons.
- Viscous liquid that will cling to ceilings and vertical surfaces in a ready-to-use formulation
- Can be used effectively at low concentrations.
- Provides corrosion protection after parts have been cleaned
- Protects metal in solution and above the liquid line on carbon steel
- Low alkalinity, operating at pH less than 10.
- Low foaming above 15°C if used for pressure wash.
- Leaves low level deposits on cleaned surfaces.
- Suitable for pre-heat treatment cleaning.
- Suitable for high pressure applications up to 200 bar.
- Contains corrosion inhibitors for all ferrous metals, providing excellent short term rust protection.
- Good hard water compatibility.
- Biodegradable surfactant package – improves environmental profile



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APPLICATIONS

Excellent product for cleaning of parts that have dirt contaminations or greased surfaces. It is ideal for soft and medium duty coatings when used at high percentage. AQ03 is water soluble and environmentally friendly and very safe for use even if it gets in contact with skin. However refer the SDS for proper safety equipment necessary for usage.

- Use recommended dosage as in chart for medium, heavy or coating removal.
- Ambient Temperatures can be maintained or maximum up to 80°C
- Add additional defoamer package if required at high pressure wash

TECHNICAL SPECIFICATION

Physical Properties	Test Method	Value
Color	Visual	Amber Clear
Flash Point	ASTM D 92	N/A
pH		9.5-11
Degreasability		Passes
Pressure range of wash system		200 bar
Operating temp range		10-80 degrees
Refractometer Factor		4 Refractometer reading x 4 will give Aq03 conc in solution

Type of coating removal	Dosage
Light Cleaning	5%
Medium Cleaning	10%
Heavy Cleaning	20%
Coating Removal	60%

PACKAGING AND STORAGE

Store in a cool dry place and always keep Aquaflush sealed when not in use.

USAGE

- Dissolve @ 2-5% in DM Water for light auto parts cleaning

APPLICATION PICTURES





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DISPOSAL

Recommendation: Do not allow product to reach sewage system.

Disposal of product or waste must comply with official local regulations.

Packaging that cannot be recycled must be disposed in the same manner as the product.

HEAVY METALS DECLARATION

RUST-X Rust Preventive products do not contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6), Polybrominated biphenyls (PBB), or Polybrominated diphenylether complying with the re-stricted substances listed in Article 4(1) of the RoHS Directive. RUST-X Rust Preventive Oils are also REACH Compliant for exports to the European Union.

SAFETY INFORMATION

- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More Information
- Safe for people
- This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom and CA WHMIS regulations.
- Rust-X VCI chemistry is safe for sensitive electronics.
- Rust-X VCI chemistry imposes No galvanic effects, residues or changes in the properties of metals. The protective molecules dissipate upon opening of package.

DECLARATION

This Data sheet and information it contains is considered to be accurate at the date of printing. No representation or warranty, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations.

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on validations and tests conducted by HI TECH INTERNATIONAL/RUST-X or its partners and are believed to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant our products will be free from defects when shipped to customer. Our obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Rust-X, Hi Tech International or its partners or agent of the claimed defect within 3 months after shipment of product to customer. Customer shall pay all freight charges for replacement products. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the film sold.

Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No



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representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of the company. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose. In no case shall HI TECH INTERNATIONAL/RUST-X be liable for incidental or consequential damages.

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USA - 14310 Gannet St , La Mirada, California
 info@rustxusa.com www.rustxusa.com
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