



TECHNICAL DATASHEET

PRODUCT NAME – RUST-X Drawing Lubricants

PRODUCT CODE – EZ 150, 220, 320, 680, 1000 and 2000

PRODUCT DESCRIPTION

RUSTX oils contain VCI chemicals, which work in contact phase as well as in the vapor phase and protect components by its dual action.

RUST-X Draw EZ series is a robust drawing lubricant range which provides excellent lubrication during drawing process. This can be used for drawing wires, tubes and bright bars.

Draw EZ series products are non-water soluble, chlorine free oils fortified with EP additives, film forming additives under high pressure, specialized polymers which enhance versatility and film formation under extreme loads, viscosity controllers for wide temperature range and surface finish enhancers.

The high levels of friction modifiers maintains die and product temperatures and anti-oxidation properties maintain viscosity, corrosive properties and die cleanliness.

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

FEATURES

- Excellent lubrication properties reduce wear on dies and cones and increases drawing speeds.
- Provides an exceptionally smooth, bright and clean finish to the drawn wire, tubes and bright bars making it suitable for annealing and plating processes as well as in the manufacture of insulated cable.
- Increased lubricity provides stable operating temperatures.
- Additive package combination produces a high resistance to excessive foaming degradation.
- Superior anti-corrosion properties to protect machine parts and the product surface.
- Increased Die Life
- Lesser Rejection ratio and surface defects
- Reduced cost and economy of use

APPLICATIONS

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PACKAGING AND STORAGE

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



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USAGE

The product can be used for drawing of wires, tube drawing, forming, spinning and other similar medium to heavy duty operations of carbon steels and nonferrous metals.

TECHNICAL SPECIFICATION

Physical Properties	Test Method	Value	EZ 150	EZ 220	EZ 680	EZ 1000	EZ 2000
Color	Visual	Brown	Brown	Brown	Brown	Brown	Brown
Viscosity @ cSt @ 40°C	ASTM D 445	150	220	680	1000	2000	
Specific Gravity	ASTM D 1298	0.85	0.87	0.88	0.88	0.88	
Flash Point (°C)	ASTM D 92	190	200	200	200	200	
Weld Load (kg)		600	600	600	600	600	
Copper Corrosion		Pass	Pass	Pass	Pass	Pass	

APPLICATION PICTURES



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.

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



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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.

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 di-phenylether complying with the restricted 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.

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 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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GLOBAL SUPPORT

Algeria Angola Argentina Australia Austria Bangladesh
Belarus Belgium Bhutan Bolivia Brazil Canada Chile China
Colombia Czech Republic Democratic Republic of the
Congo Denmark Ecuador Estonia Finland France Gabon
Germany Hungary India Indonesia Ireland Italy Japan
Kazakhstan Korea Latvia Lithuania Luxembourg Malaysia
Mexico Monaco Morocco Nepal Netherlands Nigeria
Norway Peru Philippines Poland Portugal Republic of
Congo Romania Russia Singapore Slovak Republic
Slovenia South Africa Spain Sri Lanka Sweden
Switzerland Taiwan Thailand Tunisia Turkey Ukraine
United Arab Emirates and MENA (Middle East & North
Africa) United Kingdom United States Uruguay Vietnam



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