

# MATERIAL SAFETY DATA SHEET

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## I - Product Identification

### 3X Rust Converter- Liquid

**PRODUCT** Liquid Rust Converter

**CHEMICAL FORMULATION:** Water based metal treatment.

**NFPA HAZARD IDENTIFICATION SYSTEM:**      **HEALTH:** 1   **FLAMMABILITY:** 0      **REACTIVITY:** 0  
**HAZARD RATING:**      4 - Extreme;      3 - High;      2 - Moderate;      1 - Slight;      0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX</u>	<u>OSHA</u>	<u>ACGIH</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
	<u>%</u>	<u>PEL</u>	<u>TLV</u>	<u>302</u>	<u>355</u>	<u>372</u>	
Tannic Acid	1.00-5.00	N/E	N/E	N	N	N	1401-55-4
2-Butoxyethanol	1.00-5.00	25 ppm (skin)	25 ppm (skin)	N	N	Y	111-76-2
Oxalic Acid	<1.0	1 mg/m3	1 mg/m3	N	N	N	144-62-7

Key: **PEL:** Permissible Exposure Limit   **TLV:** Threshold Limit Value   **C:** Ceiling level   **STEL** : Short Term Exposure Limit  
**N/A:** Not Applicable      **N/D:** Not Determined      **N/E:** Not Established      **Y:** Yes      **N:** No  
**302:** CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
**355:** SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
**372:** SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

**BOILING POINT (°F):** N/D      **SPECIFIC GRAVITY:** 1.06  
**VAPOR PRESSURE (mm Hg):** N/D      **VOC CONTENT (% by weight):** <4.0  
**VAPOR DENSITY (AIR = 1):** N/D      **EVAPORATION RATE (WATER = 1):** N/D  
**SOLUBILITY IN WATER:** Soluble      **pH:** 1.5-2.5  
**APPEARANCE AND ODOR:** Beige, opaque emulsion; bland odor.

## IV - Fire and Explosion Hazard Data

**FLASH POINT (°F):** N/A      **(TEST METHOD):** Closed cup  
**FLAMMABLE LIMITS IN AIR (VOLUME %)**      **UPPER:** N/D      **LOWER:** N/D  
**EXTINGUISHING MEDIA:** Water, foam, carbon dioxide, dry chemical.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Cool drums in vicinity of fire with water fog. Fire fighters should be equipped with full protective gear including self-contained breathing apparatus.  
**UNUSUAL FIRE AND EXPLOSION HAZARD:** None

PRODUCT NAME: 3X Rust Converter -Liquid

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### V - Reactivity Data

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**STABILITY:** Stable

**INCOMPATIBILITY:** Oxidizers, strong alkalis.

**CONDITIONS TO AVOID:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

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### VI - Health Hazard Data

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**ROUTES OF ENTRY**    **INHALATION:** X    **EYE**    **CONTACT:** X    **SKIN CONTACT:** X    **INGESTION:**    X  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None

**EFFECTS OF OVEREXPOSURE**

**IF IN EYES:** Moderate irritation and redness.

**IF ON SKIN:** Prolonged or repeated exposure can lead to mild irritation, formation of dark colored stains.

**IF SWALLOWED:** Gastrointestinal irritation, nausea, cramps, and vomiting. May be harmful or fatal if swallowed.

**IF INHALED:** May cause respiratory tract irritation, headache, nausea.

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

**IF ON SKIN:** Wash with soap and water. Remove contaminated clothing and launder separately before reuse. If irritation persists, obtain medical attention.

**IF SWALLOWED:** Contact physician or poison center immediately. Rinse mouth with water and give person 1 to 2 glasses of water. Never give anything by mouth to an unconscious person.

**IF INHALED:** Remove person to fresh air.

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### VII - Spill or Leak Protection

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Contain spill. Soak up spilled material with inert absorbent material and place in properly labeled container for disposal.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

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### VIII - Special Protection Information

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**RESPIRATORY PROTECTION:** Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

**VENTILATION LOCAL:** Recommended    **MECHANICAL:** Not required

**PROTECTIVE GLOVES:** Chemical resistant gloves.

**EYE PROTECTION:** Safety glasses or chemical goggles.

**OTHER PROTECTIVE EQUIPMENT:** Eye wash station.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool dry area. Do not freeze. Keep container tightly closed when not in use.

**OTHER PRECAUTIONS:** Keep out of reach of children.

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### IX - Transportation Information (ground transportation only)

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**DOT ID NUMBER:** None

**DOT PROPER SHIPPING NAME:** None

**DOT CLASS:** None

**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (<119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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