

U. S. Corrosion Technologies, LLC  
P. O. Box 551625  
Dallas, Texas 75355-1625  
(972) 271-7361 Fax: (972) 278-9721

# *Rust Reconverter LT*

## Safety Data Sheet

### 1. IDENTIFICATION

**Product Name:** Rust Reconverter LT  
**Product Numbers:** 75641, 75643, 75645  
**Product Type and Use:** Rust converter coating  
**Manufacturer:** U.S. Corrosion Technologies, LLC  
2638 National Drive, Garland, TX 75041  
Telephone: 972-271-7361 Fax: 972-278-9721  
**Contact:**  
**Emergency Telephone:** CHEMTREC® USA (800) 424-9300  
Outside US +1 (703) 527-3887  
**Poisons Information Centre:** Australia: 13 11 26  
**Distributor in Australia:** Applied Industrial Technologies Pty Ltd  
22 Stamford Road  
Oakleigh VIC  
Australia 3166  
PO Box 1011, Huntingdale VIC 3166  
Tel: +613 9567 8700  
AH: +61 427 740 927  
Fax: +613 9567 8733

### 2. HAZARDS IDENTIFICATION

#### Hazard Classification

##### Health Hazard(s)

Eye Irritation Category 2B

##### Physical Hazard(s)

None

##### Hazard(s) not otherwise classified

None

#### Labeling

##### Signal Word:

**WARNING**

##### Pictograms:

None

##### Statements of Hazard

##### Hazard Statements

Causes eye irritation

##### Precautionary Statements

Wash thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
2-Butoxyethanol	111-76-2	1-5*
Tannic Acid	1401-55-4	3-7*

This product contains the following percentage of chemicals of unknown toxicity: 35%

\* Exact percentage of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**General Advice:** Causes eye irritation. May be absorbed through the skin; avoid contact. Do not swallow. Avoid breathing vapor or mist. Keep container closed.

**Inhalation:** Remove person to fresh air and keep comfortable for breathing. If unwell; get medical advice.

**Skin Contact:** Flush skin with plenty of water. Remove contaminated clothing. If skin irritation develops; get medical advice.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists; get medical advice.

**Ingestion:** Rinse mouth. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless advised to do so by a doctor or poison control center. If unwell; get medical advice.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Product does not support combustion. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Suitable:** Carbon Dioxide, Dry Chemical, and Foam

**Unsuitable:** Alcohol, Alcohol based solutions

**Fire Fighting Procedures:** As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool fire-exposed containers with water spray.

**Unusual Fire and Explosion Hazards:** None known.

**Hazardous Combustion/ Decomposition Products:** Oxides of carbon.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions / Protective Equipment / Emergency Procedures:** Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment.

**Methods and materials for containment and cleaning up:** Dike and contain spills with inert absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer liquid to plastic containers. Do not store or dispense into metal containers; especially aluminum. Use clean non-sparking tools to collect absorbed material and transfer to a properly labeled container for recovery or disposal according to applicable regulations.

## 7. HANDLING AND STORAGE

### HANDLING

**Precautions for Safe Handling:** Avoid skin and eye contact. Use with adequate ventilation. Avoid breathing vapor and mist. Follow all SDS/label precautions.

### STORAGE

**Conditions to avoid:** Store in a cool, dry, well-ventilated place in the original container. Keep container closed when not in use. Do not freeze.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Component	ACGIH		OSHA		STEL ppm	STEL mg/m3
	TLV ppm	TLV mg/m3	PEL ppm	PEL mg/m3		
2-Butoxyethanol	20 (Skin)	Not Est.	50	240	Not Est.	Not Est.
Tannic Acid	Not Est.	Not Est.	Not Est.	Not Est.	Not Est.	Not Est.

**Engineering Controls:** Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

### Personal Protection

**Respiratory Protection:** None required under normal use conditions. In case of insufficient ventilation, wear a suitable NIOSH approved air purifying respirator.

**Hand / Skin Protection:** Wear impermeable gloves such as neoprene or nitrile rubber gloves. Gauntlets and apron may be worn depending on the extent of exposure.

**Eye / Face Protection:** Safety glasses with side-shields.

**General Hygiene Measures:** Avoid eye contact. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use. An eyewash station and washing facilities should be readily accessible to the area of use. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Opaque	<b>Autoignition Temperature:</b>	Not applicable
<b>Physical State:</b>	Semi-viscous liquid	<b>Volatile by volume (%):</b>	62
<b>Odor:</b>	Bland	<b>Vapor Density (Air=1):</b>	1
<b>Color:</b>	White	<b>Evaporation Rate (BuAc= 1):</b>	<1
<b>Viscosity, cSt @ 40°C:</b>	Not established	<b>Vapor Pressure, mmHg @23°C:</b>	23.8
<b>cSt @ 100°C:</b>	Not established	<b>Solubility in water:</b>	Complete
<b>pH:</b>	<2	<b>Octanol/Water Partition (log Kow)</b>	
<b>Boiling Point/ Range:</b>	>200°F / 93°C	2-butoxyethanol	0.81
<b>Melting Point:</b>	>32°F / 0°C	<b>VOC Content (g/L) (%):</b>	20 (2)
<b>Flash Point:</b>	Non-flammable	<b>Specific Gravity @15.6°C:</b>	1.025
<b>Method:</b>	Not applicable	<b>Pour Point:</b>	>32°F / 0°C
<b>Lower Explosive Limit, vol %:</b>	Not applicable	<b>Non-volatile by Volume (%):</b>	38
<b>Upper Explosive Limit, vol %:</b>	Not applicable	<b>Dielectric Strength:</b>	Not applicable

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at ambient temperatures.

**Conditions to Avoid:** Avoid temperature extremes. Do not allow to freeze.

**Hazardous Polymerization:** Will not occur.

**Materials to Avoid:** Strong oxidizing agents and alkalis.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product Information:** Not established

### Ingredient Information

2-Butoxyethanol: Ori-rat LD50 - 470 mg/kg, Skn-rbt LD50 - 220 mg/kg, Inl-rat LC50 - 450 ppm 4 h

Tannic Acid: Ori-rat LD50 - 2260 mg/kg

### Acute Effects

**Signs and Symptoms of Overexposure:** Eye irritation, Coughing, Sneezing

**Inhalation:** Vapor and mist may cause respiratory irritation with nasal discomfort and discharge, coughing and sneezing.

**Skin Contact:** May cause darkening of the skin. May be absorbed through skin in harmful amounts.

**Eye Contact:** May cause tearing, redness, pain, and swelling of the conjunctiva.

**Ingestion:** May cause nausea, vomiting and diarrhea.

**Primary Route(s) of Exposure:** Eyes, Skin, Inhalation

**Primary Route(s) of Entry:** Inhalation, Ingestion, Skin absorption

**Target Organs:** Liver, kidneys, lymphatic system, skin, blood, eyes, CNS, respiratory system

**Chronic Effects:** 2-Butoxyethanol target organ effects: liver, kidneys, lymphatic system, skin, blood, eyes, CNS and respiratory system

**Carcinogenicity:** 2-Butoxyethanol: ACGIH A3 IARC Group 3: Not classifiable as to its carcinogenicity to humans

**Medical Conditions Aggravated by Exposure:** May aggravate existing skin, eye and respiratory conditions including asthma and dermatitis.

## 12. ECOLOGICAL INFORMATION

**Product Data:** Not established

### Ingredient Data

2-Butoxyethanol: Toxicity to Fish LC50 = 1490 mg/L *Lepomis macrochirus* 96 h, Water Flea EC50 1698 - 1940 mg/L 24 h, *Daphnia magna*, 1000 mg/L 48 h

Tannic Acid: Toxicity to Fish LC50 = 37 mg/L *Gambusia affinis* 96 h

**Elimination Information:** 2-Butoxyethanol: log Kow 0.81

### 13. DISPOSAL CONSIDERATIONS

**Product:** Dispose of in accordance with applicable regulations.

**Container:** Empty remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal.

### 14. TRANSPORT INFORMATION

**Road Transport**

**Description:** Cleaning Compound N.O.S., Non Regulated

**Sea Transport**

**Proper Shipping Name:** Cleaning Compound N.O.S., Non Regulated

**Air Transport**

**Shipping Name:** Cleaning Compound N.O.S., Non Regulated

### 15. REGULATORY INFORMATION

**U.S. Federal Regulations**

**Toxic Substances Control Act (TSCA):** All components are included on the Inventory

**Superfund Amendments and Reauthorization Act (SARA) Title III:**

Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
Yes	Yes	No	No	No

### 16. OTHER INFORMATION

**Prepared by:** U.S. Corrosion Technologies, LLC Technical Services Department

**Revision Date:** 10/11/2016

**Supersedes Date:** Not applicable

**Revision Indicator:** v 1.0 New SDS

National Fire Protection Association (704)

Health: 1      Flammability: 1      Reactivity: 0      Other: -

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: U. S. Corrosion Technologies, LLC (972) 271-7361.

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# *Rust Reconverter LT*

## Safety Data Sheet

### 1. IDENTIFICATION

#### 1.1 Product Identifier

**Product Name:** Rust Reconverter LT™  
**Product Numbers:** 75641, 75643  
**Synonyms:** Not applicable  
**SDS Number:** Not applicable  
**Issue Date:** September 10, 2015  
**Version Number:** NZ 2.0  
**Revision Date:** April 17, 2019

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified Uses:** Rust converter coating  
**Uses advised against:** Other uses are not recommended unless an assessment is completed, prior to commencement of that use, which demonstrates that the use will be controlled.

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer:** Corrosion Technologies  
2638 National Drive, Garland, TX 75041  
**Telephone:** 972-271-7361  
**Fax:** 972-278-9721  
**Email:** [info@corrosionx.com](mailto:info@corrosionx.com)  
**Website:** [www.corrosionx.com](http://www.corrosionx.com)  
**Distributor in New Zealand:** Corrosion Control NZ  
48 Riverside drive  
Whangarei 0112  
Northland  
New Zealand  
Tel: +64 9-438-88-00  
Email: [tom@corrosionx.org](mailto:tom@corrosionx.org)

#### 1.4 Emergency Telephone Number

##### Poisons Information Centre

NZ Poison emergency no: 0800 POISON (0800 764 766)

For Chemical Emergency ONLY (spill, leak, fire, exposure or accident), 24-hour emergency telephone, call CHEMTREC® New Zealand (Auckland) +(64)-98010034.

### 2. HAZARDS IDENTIFICATION

#### Hazard Classification

##### Health Hazard(s)

Eye Irritation Category 2

##### Physical Hazard(s)

None

##### Hazard(s) not otherwise classified

None

#### Labeling

##### Signal Word:

**WARNING**

##### Pictograms:

Exclamation



#### Statements of Hazard

##### Hazard Statements

Causes eye irritation

##### Precautionary Statements

Wash thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Ammonium nonoxynol-4-sulfate	9051-57-4	1-3*
2-Butoxyethanol	111-76-2	1-5*

\* Exact percentage of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**General Advice:** Causes eye irritation. May be absorbed through the skin; avoid contact. Do not swallow. Avoid breathing vapor or mist. Keep container closed.

**Inhalation:** Remove person to fresh air and keep comfortable for breathing. If unwell; get medical advice.

**Skin Contact:** Flush skin with plenty of water. Remove contaminated clothing. If skin irritation develops; get medical advice.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists; get medical advice.

**Ingestion:** Rinse mouth. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless advised to do so by a doctor or poison control center. If unwell; get medical advice.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Product does not support combustion. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Suitable:** Carbon Dioxide, Dry Chemical, and Foam

**Unsuitable:** Alcohol, Alcohol based solutions

**Fire Fighting Procedures:** As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool fire-exposed containers with water spray.

**Unusual Fire and Explosion Hazards:** None known.

**Hazardous Combustion/ Decomposition Products:** Oxides of carbon.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions / Protective Equipment / Emergency Procedures:** Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment.

**Methods and materials for containment and cleaning up:** Dike and contain spills with inert absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer liquid to plastic containers. Do not store or dispense into metal containers; especially aluminum. Use clean non-sparking tools to collect absorbed material and transfer to a properly labeled container for recovery or disposal according to applicable regulations.

## 7. HANDLING AND STORAGE

### HANDLING

**Precautions for Safe Handling:** Avoid skin and eye contact. Use with adequate ventilation. Avoid breathing vapor and mist. Follow all SDS/label precautions.

### STORAGE

**Conditions to avoid:** Store in a cool, dry, well-ventilated place in the original container. Keep container closed when not in use. Do not freeze.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS

Component	ACGIH		OSHA		STEL ppm	STEL mg/m3
	TLV ppm	TLV mg/m3	PEL ppm	PEL mg/m3		
2-Butoxyethanol	20 (Skin)	-	50	240	-	-
Tannic Acid	-	-	-	-	-	-

**Engineering Controls:** Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

### Personal Protection

**Respiratory Protection:** None required under normal use conditions. In case of insufficient ventilation, wear a suitable NIOSH approved air purifying respirator.

**Hand / Skin Protection:** Wear impermeable gloves such as neoprene or nitrile rubber gloves. Gauntlets and apron may be worn depending on the extent of exposure.

**Eye / Face Protection:** Safety glasses with side-shields.

**General Hygiene Measures:** Avoid eye contact. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use. An eyewash station and washing facilities should be readily accessible to the area of use. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Opaque	<b>Autoignition Temperature:</b>	Not applicable
<b>Physical State:</b>	Semi-viscous liquid	<b>Percent Volatile by volume:</b>	62
<b>Odor:</b>	Bland	<b>Vapor Density (Air=1):</b>	1
<b>Color:</b>	White	<b>Evaporation Rate (BuAc= 1):</b>	<1
<b>Viscosity, cSt @ 40°C:</b>	Not established	<b>Vapor Pressure, mmHg @23°C:</b>	23.8
<b>cSt @ 100°C:</b>	Not established	<b>Solubility in water:</b>	Complete
<b>pH:</b>	<2	<b>Octanol/Water Partition:</b>	
<b>Boiling Point/ Range:</b>	>200°F / 93°C	2-butoxyethanol Kow	0.81
<b>Melting Point:</b>	>32°F / 0°C	<b>VOC Content (g/L) (%):</b>	20 (2)
<b>Flash Point:</b>	Non-flammable	<b>Specific Gravity @15.6°C:</b>	1.025
<b>Method:</b>	Not applicable	<b>Pour Point:</b>	>32°F / 0°C
<b>Lower Explosive Limit, vol %:</b>	Not applicable	<b>Percent non-volatile by Volume:</b>	38
<b>Upper Explosive Limit, vol %:</b>	Not applicable	<b>Dielectric Strength:</b>	Not applicable

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at ambient temperatures.

**Conditions to Avoid:** Avoid temperature extremes. Do not allow to freeze.

**Hazardous Polymerization:** Will not occur.

**Materials to Avoid:** Strong oxidizing agents and alkalis.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product Information:** Not established

### Ingredient Information

2-Butoxyethanol: Orl-rat LD50 - 470 mg/kg, Skn-rbt LD50 - 220 mg/kg, Inl-rat LC50 - 450 ppm 4 h

Tannic Acid: Orl-rat LD50 - 2260 mg/kg

### Acute Effects

**Signs and Symptoms of Overexposure:** Eye irritation, Coughing, Sneezing

**Inhalation:** Vapor and mist may cause respiratory irritation with nasal discomfort and discharge, coughing and sneezing.

**Skin Contact:** May cause darkening of the skin. May be absorbed through skin in harmful amounts.

**Eye Contact:** May cause tearing, redness, pain, and swelling of the conjunctiva.

**Ingestion:** May cause nausea, vomiting and diarrhea.  
**Primary Route(s) of Exposure:** Eyes, Skin, Inhalation  
**Primary Route(s) of Entry:** Inhalation, Ingestion, Skin absorption  
**Target Organs:** Liver, kidneys, lymphatic system, skin, blood, eyes, CNS, respiratory system  
**Chronic Effects:** 2-Butoxyethanol Target Organ Effects: liver, kidneys, lymphatic system, skin, blood, eyes, CNS, respiratory system  
**Carcinogenicity:** 2-Butoxyethanol: ACGIH A3 IARC Group 3: Not classifiable as to its carcinogenicity to humans  
**Medical Conditions Aggravated by Exposure:** May aggravate existing skin, eye and respiratory conditions including asthma and dermatitis.

## 12. ECOLOGICAL INFORMATION

**Product Data:** Not established

### **Ingredient Data**

2-Butoxyethanol: Toxicity to Fish LC50 = 1490 mg/L *Lepomis macrochirus* 96 h, Water Flea EC50 1698 - 1940 mg/L 24 h *Daphnia magna*, 1000 mg/L 48 h *Daphnia magna*

Tannic Acid: Toxicity to Fish LC50 = 37 mg/L *Gambusia affinis* 96 h

**Elimination Information:** 2-Butoxyethanol: log Kow 0.81

## 13. DISPOSAL CONSIDERATIONS

**Product:** Dispose of in accordance with applicable regulations.

**Container:** Empty remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

### **Road Transport**

**Description:** Cleaning Compound N.O.S., Non Regulated

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. For transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed.

### **Australian Dangerous Goods Code (ADG) - Road/Rail**

**Transport hazard class(es)** Not regulated as dangerous goods.

**Hazchem Code:** 2[Z]

### **International Air Transport Association (IATA) – Air Transport**

**Transport hazard class(es)** Not regulated as dangerous goods.

### **International Maritime Dangerous Goods Code (IMDG) – Marine Transport**

**Transport hazard class(es)** Not regulated as dangerous goods.

**Environmental hazards: Marine Pollutant:** No

**Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not intended to be transported in bulk.

## 15. REGULATORY INFORMATION

### **U.S. Federal Regulations**

**Toxic Substances Control Act (TSCA):** All components are included on the Inventory

**Superfund Amendments and Reauthorization Act (SARA) Title III:**

Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
Yes	No	No	No	No

### **Australia**

**Substances that deplete the ozone layer**

None

**Persistent Organic Pollutants:**

None

This material is considered hazardous according to Australia Model Work Health and Safety Regulations.

This material is not regulated according to Australian Dangerous Goods Code.

**Australian Inventory of Chemical Substances (AICS) Listing:** The chemical components contained within this product are listed on the Australian Inventory of Chemical Substances and are in compliance with the requirements of the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

**Poison Schedule:** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

### **New Zealand**

**HSNO classification:** 6.4A

**HSNO Group Standard:** Corrosion Inhibitors (Subsidiary Hazard) Group Standard 2020 - HSR002549

## 16. OTHER INFORMATION

**Prepared by:** Corrosion Technologies Technical Services Department

**Revision Date:** 04/17/2019

**Supersedes Date:** 10/8/2015

**Revision Indicator:** v2.0

Addition of HSNO classification

National Fire Protection Association (704)

Health: 1

Flammability: 0

Reactivity: 0

Other: -

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied,

of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: Corrosion Technologies, (972) 271-7361.