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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
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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

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