

# SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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## Section I - Product & Company Identification

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### Product identifier

Product name : RUST CONVERTER

Product form: Liquid

Other means of identification: 0504

Relevant identified uses of the substance or mixture: Rust converter

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

Distributor:

Essence Chemical Co., P.O. Box 656, St. Peters, MO 63376

Phone: 636 685 0132

### Emergency telephone number

Emergency number : 1-800-535-5053 (INFOTRAC)

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## Section II – Hazards Identification

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### Classification

Skin corrosion/ irritation (Category 2)

Serious eye damage / eye irritation (Category 1)

Pictogram



### Signal Word

**Danger**

### Hazard Statements

Causes serious eye damage.

Causes skin irritation.

### Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash skin with plenty of soap and water. If irritation occurs get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.

IF SWALLOWED: Call POISON CENTER/doctor if you feel unwell. Rinse mouth. Do not induce vomiting.

#### **Precautionary Statements – Storage**

Keep container tightly closed. Do not allow to freeze.

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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### **Section III –Composition/Information on ingredients**

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Mixture

Name	CAS #	Weight %
2-butoxyethanol	111-76-2	1-5
Glycolic acid	79-14-1	1-5

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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### **Section IV – First Aid Measures**

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#### **First Aid Measures**

**Inhalation:** Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical attention.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Skin Contact:** Remove contaminated clothing, wash skin with soap and plenty of water. If irritation persists, get medical attention.

#### **Most Important Symptoms and Effects, both Acute and Delayed Symptoms**

May cause serious eye damage and skin irritation..

#### **Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:** No data available. Treat symptomatically.

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### **Section V – Fire Fighting Measures**

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#### **Suitable Extinguishing Media**

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media:** Do not use a water jet as it may spread the fire..

#### **Specific Hazards Arising from the Chemical**

Fire or excessive heat may produce hazardous decomposition products.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.



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## **Section VI – Accidental Release Measures**

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### **Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

### **Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Prevent discharge to the environment, municipal sewers.

**Methods for Cleaning Up:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

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## **Section VII – Handling & Storage**

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### **Precautions for Safe Handling**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

### **Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place.

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## **Section VIII – Exposure Controls/ Personal Protection**

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### **Exposure Guidelines**

<b><u>Chemical Name</u></b>	<b><u>CAS #</u></b>	<b><u>ACGIH TLV</u></b>	<b><u>OSHA PEL</u></b>	<b><u>NIOSH</u></b>
2-butoxyethanol	111-76-2	TWA: 20 ppm	50 ppm	No data available
Glycolic acid	79-14-1	No exposure limits	No exposure limits	No exposure limits

### **Appropriate Engineering Controls**

**Engineering Controls:** Provide adequate ventilation, eyewash stations.

### **Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** Wear approved safety goggles and face shield where a splash hazard exists.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

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## **Section IX – Physical & Chemical Properties**

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### **Information on Basic Physical and Chemical Properties**

**Physical State**

Viscous liquid

**Color**

Murky green

<u>Property</u>	<u>Values</u>
pH	2.5-3
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	100 ° C (212 ° F)
Flash Point	None
Evaporation Rate	No data available
Flammability (Solid, Gas)	n/a-liquid
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.09
Water Solubility	Soluble in Water
Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available
Odor	Slight EB odor
Odor Threshold	No data available

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### Section X – Stability & Reactivity

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#### Reactivity

No data available.

#### Chemical Stability

Stable under recommended storage conditions.

#### Possibility of Hazardous Reactions

No data available

#### Conditions to Avoid

No data available

#### Incompatible Materials

Strong acids, oxidizing agents.

#### Hazardous Decomposition Products

Carbon oxides. Organic compounds which may be toxic.

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### Section XI - Toxicological information

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#### Information on Likely Routes of Exposure

##### **Product Information**

**Inhalation:** Avoid breathing vapors or mists.

**Eye Contact:** Causes serious eye irritation

**Skin Contact:** Avoid contact with skin.

**Ingestion:** May be harmful if swallowed.



This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
2-butoxyethanol	111-76-2	1300 mg/kg(Rat)	>2000 ml/kg(Rat)	LC50 (Rat, 3 h): > 4.9 mg/l
Glycolic acid	79-14-1	1950 mg/kg(Rat)	No data available.	LC50 (Rat, 4 h): 7.7 mg/l

Chemical Name	2-butoxyethanol	Glycolic acid
Skin corrosion/irritation	Moderate	Skin burns
Serious eye damage/irritation	Moderate	Serious eye damage
Respiratory or skin sensitization	Not a sensitizer	Not a sensitizer
Mutagenicity	Negative	No data available
Carcinogenicity	Not considered a carcinogen by IARC, ACGIH, NTP or OSHA	Not considered a carcinogen by IARC, ACGIH, NTP or OSHA
Reproductive toxicity	Not expected to cause.	Not expected to cause.
Specific target organ toxicity-Single exposure	Not classified	Not classified
Specific target organ toxicity-repeated exposure	Not classified	Not classified
Aspiration hazard	An aspiration hazard.	Not a hazard

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical Measures of Toxicity:** Not determined

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**Section XII - Ecological information**

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**Ecotoxicity**

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
2-butoxyethanol	111-76-2	EC-50 (Algae (Pseudokirchneriella subcapitata), 72 h): 1,840 mg/l	LC-50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l	EC-50 (Water Flea, 48 h): 1,550 mg/l
Glycolic acid	79-14-1	No data available	No data available	No data available

**Persistence and Degradability:** No data available

**Bioaccumulation :** No data available

**Mobility:** No data available

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**Section XIII - Disposal considerations**

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**Waste Disposal Method**

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.



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**Section XIV - Transport information**

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**DOT Proper Shipping Description:**

**Bulk or Non-Bulk:** Not regulated.

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**Section XV - Regulatory information**

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**SARA Title III Section 311/312 (40CFR370):** Acute and chronic health hazard

**SARA Title III Section 313 (40CFR372):** 2-butoxyethanol

**RCRA Status (40CFR261.33):** No reportable components.

**TSCA Inventory Status:** Reported/included

**OSHA/NTP/IARC Carcinogen Status:** Not listed

**Canadian DSL Status:** Reported/included

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**

This material is not known to contain chemicals currently listed as carcinogens or reproductive toxins.:

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-butoxyethanol	X	X	X
Glycolic acid	Not listed	Not listed	Not listed

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**Section XVI - Other information**

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**HMIS ratings:** Health: 3  
Flammability: 0  
Reactivity: 1

Indication of changes: Revision – 1

Date Sheet Prepared: 04/11/2016 Other information: Author – EHS Administrator

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

**END OF SDS**