

SAFETY DATA SHEET

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

Section I - Product & Company Identification

Product identifier

Product Name : Inhibitaur Liquid Rust Converter

Product form: Liquid

Other means of identification: N/A

Relevant identified uses of the substance or mixture: Rust converter

Details of the supplier of the safety data sheet

Distributor:

Continental Research Corporation PO Box 15204 St. Louis MO 63110

Phone: 800-325-4869

Emergency telephone number

Emergency number : 1-888-255-3924 CHEM-TEL

Section II – Hazards Identification

Classification

Skin corrosion/ irritation (Category 2)

Serious eye damage / eye irritation (Category 2)

Pictogram



Signal Word

Warning

Hazard Statements

Causes serious eye irritation.

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. Get medical attention if irritation occurs

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

Store in a well ventilated place. Keep container tightly closed. Keep cool. Store locked up.

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.

Section III –Composition/Information on ingredients

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.

Section IV – First Aid Measures

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.

Section V – Fire Fighting Measures

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.

Section VI –Accidental Release Measures

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.

Section VII – Handling & Storage

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.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NIOSH
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.

Section IX – Physical & Chemical Properties

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

Section X – Stability & Reactivity

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.

Section XI - Toxicological information

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

Section XII - Ecological information

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

Section XIII - Disposal considerations

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.

Section XIV - Transport information

DOT Proper Shipping Description:

Bulk or Non-Bulk: Not regulated.

Section XV - Regulatory information

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

Section XVI - Other information

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

Indication of changes: Revision 1

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

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