

PRODUCT NAME: ABRO Rust Evaporator
PRODUCT NUMBER/SIZE: RR-378-R / 1 Gallon

Rev Date: 04/08/2015

SECTION 1

Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.

ADDRESS: 3580 Blackthorn Court
South Bend, IN 46628
USA

PRODUCT DESCRIPTION: Rust Remover

COMPANY PHONE: 574-232-8289

EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2

Hazards Identification

Classification:

This product is not classified as hazardous under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).

Label Pictogram(s):

None Required

Signal Word: NONE

Hazard Phrases: None

Precautionary Phrases: None

Response: None

Other: Keep out of reach of children.

SECTION 3

Composition/Information on Ingredients

<u>COMPONENTS</u>	<u>CAS Number</u>	<u>Percent by weight</u>
Water	7732-18-5	>83%*
Proprietary non-hazardous chelating agent	Proprietary	<16%*
Proprietary non-hazardous detergent	Proprietary	<1%*

**Specific percentages of composition are being withheld as a trade secret.*

SECTION 4 First Aid Measures

Inhalation: Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.
Skin Contact: Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.
Eye Contact: Not expected to cause eye irritation. If adverse effect occurs, flush eyes with water.
Ingestion: May cause upset stomach. Drink plenty of water to dilute. See section 11.

Most Important Symptoms/Effects, Acute and Delayed: None known.

Indication of Immediate Medical Attention and Special Treatment Needed, if necessary:
Treat symptomatically

SECTION 5 Fire Fighting Measures

Suitable & Unsuitable Extinguishing Media: Use Dry chemical, CO₂, water spray or “alcohol” foam.
Avoid high volume jet water.
Specific Hazards Arising from Chemical: In event of fire, fire created carbon oxides may be formed.
Special Protective Actions for Fire-Fighters: Wear positive pressure self-contained breathing apparatus
and full protective clothing.

This product is non-flammable. See Section 9 for Physical Properties.

SECTION 6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:
For non-emergency personnel: See section 8 – personal protection.

Environmental Precautions: Do not allow into open waterways and ground water systems.

Methods and Materials for Containment and Clean Up: Dike or soak up with inert absorbent material. See section 13 for disposal considerations.

SECTION 7 Handling and Storage

Precautions for Safe Handling: Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

Conditions for Safe Storage including Incompatibilities: Keep container tightly closed. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperatures above 95°F (35°C) or freezing temperatures.

SECTION 8 Exposure Controls/Personal Protection

Exposure Limit Values: No components listed with TWA or STEL values under OSHA or ACGIH.

Appropriate Engineering Controls: Showers, eyewash stations, and ventilation systems

Individual Protection Measures / Personal Protective Equipment (PPE)

Eye Contact: Use protective glasses or safety goggles if splashing or spray-back is likely.

Respiratory: Use in well ventilated areas or local exhaust ventilations when cleaning small spaces.

Skin Contact: Use protective gloves (any material) when used for prolonged periods or dermally sensitive.

General Hygiene Considerations:

Wash thoroughly after handling and before eating or drinking.

SECTION 9
Physical and Chemical Properties

Appearance:	Clear to yellow liquid
Odor:	Slight
Odor Threshold:	Not determined
pH:	6.0 – 7.0
Freezing Point:	0°C (32°F)
Boiling Point & Range:	101°C (213.8°F)
Flash Point:	>212°F
Evaporation Rate:	As water
CARB Method 310**:	1.2 g/L 0.010 lb/gal 0.12%
Flammability (solid, gas):	Not applicable
SCAQMD Method 313:	Not tested
Upper/Lower Flammability:	Not applicable
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Partition Coefficient: n octanol/water:	Not determined
Autoignition Temperature:	Non-flammable
Decomposition Temperature:	95°F
Viscosity:	Like water
Specific Gravity:	1.04
VOCs:	0.0
VOC Composite Partial Pressure:	Not determined
Solubility:	100% in water

SECTION 10
Stability and Reactivity

Reactivity:	Non-reactive.
Chemical Stability:	Stable under normal conditions 70oF (21oC) and 14.7 psig (760 mmHg).
Possibility of Hazardous Reactions:	None known.
Conditions to Avoid:	Excessive heat or cold.
Incompatible Materials:	Do not mix with oxidizers, acids, bathroom cleaners, or disinfecting agents.
Hazardous Decomposition Products:	Normal products of combustion - CO, CO2.

SECTION 11
Toxicological Information

Likely Routes of Exposure:

Inhalation - Not expected to cause irritation

Skin Contact - Not expected to cause irritation, repeated contact may cause dry skin.

Eye Contact - Not expected to cause irritation.
Ingestion - May cause upset stomach.

Symptoms related to the physical, chemical and toxicological characteristics: no symptoms expected under typical use conditions.

Delayed and immediate effects and or chronic effects from short term exposure: no symptoms expected under typical use conditions.

Delayed and immediate effects and or chronic effects from long term exposure: headache, dry skin, or skin irritation may occur.

Acute Toxicity: Oral LD50 (rat) > 5 g/kg body weight Dermal LD50 (rabbit) > 5 g/kg body weight

Skin Corrosion/Irritation:	Non-irritant per Dermal Irritation® assay modeling.
Eye Damage/Irritation:	Non-irritant per Ocular Irritation® assay modeling (GHS Eye Category 2B).
Germ Cell Mutagenicity:	Mixture does not classify under this category.
Carcinogenicity:	Mixture does not classify under this category.
Reproductive Toxicity:	Mixture does not classify under this category.
STOT-Single Exposure:	Mixture does not classify under this category.
STOT-Repeated Exposure:	Mixture does not classify under this category.
Aspiration Hazard:	
Mixture does not classify under this category.	

SECTION 12

Ecological Information

Ecotoxicity:	Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System
Aquatic:	Not tested on finished formulation.
Terrestrial:	Not tested on finished formulation.
Persistence and Degradability:	Readily Biodegradable based on biodegradation profile of ingredients
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	No data available.

SECTION 13

Disposal Considerations

Unused or Used Liquid: Check with local, regional, and or national regulations for appropriate methods of disposal.

Empty Containers: May be offered for recycling.

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

SECTION 14

Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for

suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

U.S. DOT	UN/ID Number:	Not Regulated
	Proper shipping name:	
	Hazard class:	
	Packing Group:	
	Exceptions:	
	Environmental Hazards:	
	Transport in Bulk:	
	Special Precautions:	

IMO/IMDG	UN/ID Number:	Not Regulated
	Proper shipping name:	
	Hazard class:	
	Packing Group:	
	Exceptions:	
	Environmental Hazards:	
	Transport in Bulk:	
	Special Precautions:	

ICAO/IATA	UN/ID Number:	Not Regulated
	Proper shipping name:	
	Hazard Class:	
	Packing Group:	
	Exceptions:	
	Environmental Hazards:	
	Transport in Bulk:	
	Special Precautions:	

Canada (TDG)	UN/ID Number:	Not Regulated
	Proper shipping name:	
	Hazard class:	
	Packing Group:	
	Exceptions:	
	Environmental Hazards:	
	Transport in Bulk:	
	Special Precautions:	

SECTION 15

Regulatory Information

All components are listed on: TSCA and DSL Inventory.
SARA Title III:
Sections 311/312 Hazard Categories – Not applicable.
Sections 313 Superfunds Amendments and Reauthorizations Act of 1986 – Not applicable.
Sections 302 – Not applicable.

Clean Air Act (CAA):	Not applicable
Clean Water Act (CWA):	Not applicable
CERCLA:	Not applicable
State Right to Know Lists:	No ingredients listed
California Proposition 65:	No ingredients listed

SECTION 16

Other Information

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable