

Revision Date 01/30/2015

REVISION NUMBER: 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product name** THRUST RINSE FREE STRIPPER

**Other means of identification**

**Product code** 119664

**UN/ID No.** 3266

**Synonyms** NONE

**Recommended use of the chemical and restrictions on use**

**Recommended Use** No information available.

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

See Distributor information.

**Distributor**

AJ Chemical Lubricants & Equipment Co.

915 Pleasant Street

Richmond, VA 23223

**Emergency telephone number**

**EMERGENCY TELEPHONE**

INFOTRAC: 1-800-535-5053

OUTSIDE U.S.: +1-352-323-3500

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Corrosive to metals	Category 1

**Label elements**

**Emergency Overview**

**DANGER**

**Hazard statements**

Causes severe skin burns and eye damage

May be corrosive to metals



**Appearance** Clear yellow-green liquid.

**Physical state** Liquid

**Odor** Floral scent.

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep only in original container

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician  
 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 (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting  
 Absorb spillage to prevent material damage

**Precautionary Statements - Storage**

Store locked up  
 Store in corrosive resistant container

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

No information available

**Other Information****3. COMPOSITION/INFORMATION ON INGREDIENTS**

PRODUCT COMPOSITION CAS#	CAS No.	%	TRADE SECRET
2-BUTOXYETHANOL	111-76-2	5 - 10	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****First aid measures**

**General advice** Immediately call a POISON CENTER or doctor/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 call a POISON CENTER or doctor/physician.

**Skin contact** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**Ingestion** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

### **Specific hazards arising from the chemical**

No information available.

#### **Explosion data**

**Sensitivity to Mechanical Impact** NONE.

**Sensitivity to Static Discharge** NONE.

### **Protective equipment and precautions for firefighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Cool exposed containers with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

### **Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

### **Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

**Advice on safe handling** Alkaline liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Keep out of reach of children.

### **Conditions for safe storage, including any incompatibilities**

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

**Incompatible materials** Avoid contact with: Acids. Strong alkalies. Strong oxidents, such as nitric acid, or hypochlorites.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control parameters**

### **Exposure Guidelines**

PRODUCT COMPOSITION CAS#	ACGIH TLV	OSHA PEL	NIOSH IDLH

2-BUTOXYETHANOL 111-76-2	TWA: 20 ppm	S* (vacated) S* (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>	700 ppm
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**Appropriate engineering controls**

**ENGINEERING CONTROLS** General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Showers. Eyewash stations.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Safety glasses are recommended to minimize eye contact.

**Skin and body protection** Chemical resistant gloves are recommended to minimize skin contact. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

**RESPIRATORY PROTECTION** Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.

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

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Floral scent.
<b>Appearance</b>	Clear yellow-green liquid.	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	13.0		
<b>Melting point/freezing point</b>	No information available		
<b>Boiling point / boiling range</b>	100 °C / 212 °F		
<b>Flash point</b>	-		None to boiling.
<b>Evaporation rate</b>	No information available		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
<b>Vapor pressure</b>	No information available		
<b>Vapor density</b>	No information available		
<b>Specific gravity</b>	1.01 - 1.03		
<b>Water solubility</b>	No information available		
<b>Solubility in other solvents</b>	No information available		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>	No information available		
<b>Decomposition temperature</b>	No information available		
<b>Kinematic viscosity</b>	No information available		
<b>Dynamic viscosity</b>	No information available		
<b>Explosive properties</b>	No information available		
<b>Oxidizing properties</b>	No information available		

**Other Information**

<b>Softening point</b>	No information available
<b>VOC (EPA METH.24) (G/L):</b>	54.50
<b>Density</b>	No information available
<b>Bulk density</b>	8.50

## 10. STABILITY AND REACTIVITY

### REACTIVITY

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### CONDITIONS TO AVOID

Extremes of temperature and direct sunlight.

### Incompatible materials

Avoid contact with: Acids. Strong alkalies. Strong oxidants, such as nitric acid, or hypochlorites.

### Hazardous Decomposition Products

Oxides of Carbon. Oxides of Nitrogen.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Causes severe skin burns and eye damage
<b>Inhalation</b>	Causes burns.
<b>Eye contact</b>	Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin contact</b>	Causes burns.
<b>Ingestion</b>	Causes burns.

PRODUCT COMPOSITION CAS#	Oral LD50	Dermal LD50	Inhalation LC50
2-BUTOXYETHANOL 111-76-2	= 470 mg/kg ( Rat )	= 220 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h

### Information on toxicological effects

<b>Symptoms</b>	No information available.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

PRODUCT COMPOSITION CAS#	ACGIH	IARC	NTP	OSHA
2-BUTOXYETHANOL 111-76-2	A3	Group 3	-	-

<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	7731 mg/kg
ATEmix (dermal)	19856 mg/kg

ATEmix (inhalation-dust/mist) 28.5 mg/l

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

4.28% of the mixture consists of components(s) of unknown hazards to the aquatic environment

PRODUCT COMPOSITION CAS#	Algae/aquatic plants	Fish	Crustacea
2-BUTOXYETHANOL 111-76-2	-	2950: 96 h Lepomis macrochirus mg/L LC50 1490: 96 h Lepomis macrochirus mg/L LC50 static	1000: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

PRODUCT COMPOSITION CAS#	Partition coefficient
2-BUTOXYETHANOL 111-76-2	0.81

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**14. TRANSPORT INFORMATION**

**UN/ID No.** 3266  
**Proper shipping name** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (SODIUM SILICATE)  
**Hazard Class** 8  
**Packing Group** III  
**Description** 5 Liters (1.3 Gallons) and Less may be Classed as LTD. QTY.

**15. REGULATORY INFORMATION****International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies

EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
IECSC	Complies
KECL	Does not Comply
PICCS	Complies
AICS	Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

PRODUCT COMPOSITION CAS#	SARA 313 - Threshold Values %
2-BUTOXYETHANOL - 111-76-2	1.0

**SARA 311/312 Hazard Categories**

ACUTE HEALTH HAZARD	YES
CHRONIC HEALTH HAZARD	No
FIRE HAZARD	No
Sudden release of pressure hazard	No
REACTIVE HAZARD	YES

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

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

PRODUCT COMPOSITION CAS#	NJRTK:	MARTK:	PARTK:
2-BUTOXYETHANOL 111-76-2	0275	Listed	Listed

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION****NFPA**

Health hazards 2

Flammability 0

**Instability** 0

**Physical and Chemical Properties** ALKALI

**HMIS**

**Health hazards** 2

**Flammability** 0

**Physical hazards** 0

**Personal protection** B

**Prepared By**

EH&S DEPARTMENT

**Revision Date**

01/30/2015

**Revision Note**

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

\*\*\* END OF SDS \*\*\*