



A CSW Industrials Company

# SAFETY DATA SHEET

Issuing Date 21-Oct-2014

Revision Date 2-Mar-2017

Revision Number 1

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

### GHS product identifier

Product Name EASY- CLEANÒ LIQUID

### Other means of identification

Product Code(s) 300

UN-Number UN3266

Synonyms JET-LUBE® EASY- CLEAN® LIQUID

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

Recommended Use Detergents, cleaners

Uses advised against No information available

### Supplier's details

#### **Manufacturer Address**

Jet-Lube, LLC  
930 Whitmore Dr.  
Rockwall, Texas 75087  
TEL: 972-771-1000  
Toll Free: 1-800-669-6318

### Emergency telephone number

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

## 2. HAZARDS IDENTIFICATION

### Classification

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

Skin Corrosion/Irritation	Category 1 Subcategory 1B
Serious Eye Damage/Eye Irritation	Category 1

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal Word	Danger
Hazard Statements	
• Causes severe skin burns and eye damage	

**Appearance** Pink**Physical State** Liquid.**Odor** cleaner**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.

**General Advice**

- Immediately call a POISON CENTER or doctor/physician.
- Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

- 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**

- IF ON SKIN (or hair): 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.

**Ingestion**

- IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Storage**

- Store locked up.

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

Toxic to aquatic life. Toxic to aquatic life with long lasting effects

0% of the mixture consists of ingredient(s) of unknown toxicity.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Synonyms**

JET-LUBE® EASY- CLEAN® LIQUID

Chemical Name	CAS-No	Weight %	Trade secret
Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-.beta.-alaninate	94441-92-6	5-10	*
2-Butoxyethanol	111-76-2	2-5	*
Sodium hydroxide	1310-73-2	2-5	*
Sodium metasilicate	6834-92-0	2-5	*
Tetrasodium EDTA	64-02-8	1-2	*

Alcohols, C12-15, ethoxylated	68131-39-5	1-2	*
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\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of necessary first-aid measures

<b>General Advice</b>	Immediate medical attention is required. Take off contaminated clothing and shoes immediately. Move victim to a safe isolated area
<b>Eye Contact</b>	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin Contact</b>	Immediate medical attention is required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Ingestion</b>	Immediate medical attention is required. Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

##### Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** No information available.

##### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Activated charcoal mixture may be beneficial. Suspend 50 g activated charcoal in 400 mL water and mix well. Administer 5 mL/kg, or 350 mL for an average adult.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

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

**Unsuitable Extinguishing Media** No information available.

##### Specific Hazards Arising from the Chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

##### Explosion Data

<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

##### Protective Equipment and Precautions for Firefighters

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

#### 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak. Ensure adequate ventilation.

##### Environmental Precautions

**Environmental Precautions** Do not allow material to contaminate ground water system.

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

**Methods for Containment** Dike far ahead of liquid spill for later disposal.

**Methods for Cleaning Up** Small spillage: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Large spillage: Dam up. Take up mechanically and collect in suitable container for disposal.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

**Handling** Wear personal protective equipment. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

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

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Metal containers must be lined.

**Incompatible Products** Strong oxidizing agents. Strong acids. Aluminium.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Control parameters**

#### **Exposure Guidelines**

<b>Chemical Name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

### **Appropriate engineering controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

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

**Eye/Face Protection** Tightly fitting safety goggles. If splashes are likely to occur, wear: Face-shield.  
**Skin and Body Protection** Protective gloves. Butyl rubber. Nitrile rubber. Neoprene gloves. Polyvinylchloride Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.  
**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid cleaner	<b>Appearance</b>	Pink
<b>Odor</b>		<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	12.5 - 13.5	None known
Melting Point/Range	> 0 °C	None known
Boiling Point/Boiling Range	> 100 °C	None known
Flash Point	None.	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	1.044	None known
Water Solubility	Completely soluble	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

**Flammable Properties**                      Not flammable

**Explosive Properties**                      No data available

**Oxidizing Properties**                      No data available

### Other information

**VOC Content (%)**                              None

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Extremes of temperature and direct sunlight. Incompatible products.

### Incompatible materials

Strong oxidizing agents. Strong acids. Aluminium.

### Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Irritating to mucous membranes. Causes burns.
<b>Eye Contact</b>	Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage.
<b>Skin Contact</b>	Corrosive. Causes severe skin burns.
<b>Ingestion</b>	Ingestion of corrosive substances can cause burns of the upper digestive and respiratory tract.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-Butoxyethanol	= 470 mg/kg ( Rat )	= 400 mg/kg ( Rabbit ) = 2270 mg/kg ( Rat )	= 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h
Sodium hydroxide	-	1350 mg/kg ( Rabbit )	-
Sodium metasilicate	= 600 mg/kg ( Rat )	-	-
Tetrasodium EDTA	10 g/kg ( Rat )	-	-
Alcohols, C12-15, ethoxylated	= 2 g/kg ( Rat )	-	-

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Sensitization** No information available.  
**Mutagenic Effects** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol	A3	Group 3		

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 3: Not Classifiable as to its Carcinogenicity to Humans

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration Hazard** No information available.

### Numerical measures of toxicity - Product

**Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.

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

**LD50 Oral** 4845 mg/kg; Acute toxicity estimate

**LD50 Dermal** 14009 mg/kg; Acute toxicity estimate

**Inhalation**

**dust/mist** 30 mg/L; Acute toxicity estimate

**Vapor** 220 mg/L; Acute toxicity estimate

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)

2-Butoxyethanol 111-76-2		LC50 96 h: = 1490 mg/L static (Lepomis macrochirus) LC50 96 h: = 2950 mg/L (Lepomis macrochirus)		EC50 24 h: 1698 - 1940 mg/L (Daphnia magna) EC50 48 h: > 1000 mg/L (Daphnia magna)
Sodium hydroxide 1310-73-2		LC50 96 h: = 45.4 mg/L static (Oncorhynchus mykiss)		
Sodium metasilicate 6834-92-0		LC50 96 h: = 210 mg/L semi-static (Brachydanio rerio) LC50 96 h: = 210 mg/L (Brachydanio rerio)		EC50 96 h: = 216 mg/L (Daphnia magna)
Tetrasodium EDTA 64-02-8	EC50 72 h: = 1.01 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 41 mg/L static (Lepomis macrochirus) LC50 96 h: = 59.8 mg/L static (Pimephales promelas)		EC50 24 h: = 610 mg/L (Daphnia magna)

**Persistence and Degradability** No information available.

#### Bioaccumulation

Chemical Name	Log Pow
2-Butoxyethanol	0.81

#### Other Adverse Effects

No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Sodium hydroxide	Toxic Corrosive

### 14. TRANSPORT INFORMATION

#### DOT

**UN-Number** UN3266  
**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s. (Mixture)  
**Hazard Class** 8  
**Subsidiary Class**  
**Packing Group** III  
**Description** UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, Sodium metasilicate), 8, III, Mixture  
**Emergency Response Guide Number** 154

#### TDG

**UN-Number** UN3266  
**Proper Shipping Name** Corrosive liquid, basic, inorganic, n.o.s. (Mixture)  
**Hazard Class** 8  
**Packing Group** III  
**Description** UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, Sodium metasilicate), 8, III, Mixture

#### MEX

**UN-Number** UN3266  
**Proper Shipping Name** Corrosive liquid, basic, inorganic, n.o.s. (Mixture)  
**Hazard Class** 8  
**Packing Group** III

<b>Description</b>	UN3266 Corrosive liquid, basic, inorganic, n.o.s.(Sodium hydroxide, Sodium metasilicate ), 8, III, Mixture
<b>ICAO</b>	
<b>UN-Number</b>	UN3266
<b>Proper shipping name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Mixture)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s.(Sodium hydroxide, Sodium metasilicate ), 8, III, Mixture
<b>IATA</b>	
<b>UN-Number</b>	UN3266
<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Mixture)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>ERG Code</b>	8L
<b>Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s.(Sodium hydroxide, Sodium metasilicate ), 8, III, Mixture
<b>IMDG/IMO</b>	
<b>UN-Number</b>	UN3266
<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Mixture)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>EmS No.</b>	F-A, S-B
<b>Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s.(Sodium hydroxide, Sodium metasilicate ), 8, III, Mixture
<b>RID</b>	
<b>UN-Number</b>	UN3266
<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Mixture)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Classification Code</b>	C5
<b>Description</b>	UN3266 Corrosive liquid, basic, inorganic, n.o.s.(Sodium hydroxide, Sodium metasilicate ), 8, III, Mixture
<b>ADR</b>	
<b>UN-Number</b>	UN3266
<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Mixture)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Classification Code</b>	C5
<b>Tunnel Restriction Code</b>	(E)
<b>Description</b>	UN3266 Corrosive liquid, basic, inorganic, n.o.s.(Sodium hydroxide, Sodium metasilicate ), 8, III,, Mixture(E)
<b>ADN</b>	
<b>UN-No</b>	UN3266
<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Mixture)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Classification Code</b>	C5
<b>Special Provisions</b>	274
<b>Description</b>	UN3266 Corrosive liquid, basic, inorganic, n.o.s.(Sodium hydroxide, Sodium metasilicate ), 8, III, Mixture
<b>Hazard Labels</b>	8
<b>Limited Quantity</b>	LQ7

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL	Complies



**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

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:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
2-Butoxyethanol	111-76-2	2-5	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	No

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide	1000 lb			X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
2-Butoxyethanol	X	X	X	X	X
Sodium hydroxide	X	X	X		X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards -
<b>HMIS</b>	Health Hazard 3	Flammability 0	Physical Hazard 0	Personal Protection X

Prepared By Product Stewardship  
 23 British American Blvd.  
 Latham, NY 12110  
 1-800-572-6501  
 Issuing Date 21-Oct-2014

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Revision Date	2-Mar-2017
Revision Note	Updated company information

**General Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**