



# SAFETY DATA SHEET

Issue Date 1/16/2017

Revision Date 1/16/2017

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name:** Liquid Hand Cleaner

### Other means of identification

**Product code:** F-814

**Synonyms:** None

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

**Recommended Use:** Cleaner

**Uses advised against:** No information available

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

#### **Supplier Address**

FRONTIER PERFORMANCE LUBRICANTS INC

PO BOX 1777

LODI, CA 95241

Phone: (800)-807-4496

Fax: (209)-334-6408

### Emergency telephone number

**Emergency Telephone:** PERS (800)-633-8253

## 2. HAZARDS IDENTIFICATION

**Physical Hazards:** None

**Hazard Classifications:** Eye Irritation, Category 2B

**Signal Word:** Danger!



**Hazard Pictograms:**

**Warning:** Product contact with eyes can cause irritation. Prolonged product contact with skin may cause irritation or drying. May be harmful if swallowed. KEEP OUT OF REACH OF CHILDREN.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Weight %	CAS #
Nonylphenol Ethoxylate	< 3%	127087-87-0

To the knowledge of the supplier, there are no other ingredients in this product that are classified as hazardous.

## 4. FIRST AID MEASURES

**Eye:** Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids. Remove contact lenses if present and easy to do without injury to the eye and

continue rinsing, if irritation persists obtain immediate medical attention, preferably from an ophthalmologist  
**Skin:** Wash with water  
**Ingestion:** DO NOT INDUCE VOMITING. If person is fully conscious, rinse mouth out and give one to two glasses of water to dilute and obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration into the lungs  
**Inhalation:** Not Applicable.  
**Aspiration Hazard** Not applicable

**ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE**

**Eyes** Can cause eye irritation  
**Skin** May cause mild skin irritation  
**Inhalation** Not applicable  
**Ingestion** May be harmful if swallowed

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

**Eyes** May cause serious eye irritation  
**Skin** Can cause mild skin irritation, drying or cracking  
**Inhalation** Not applicable  
**Ingestion** Harmful if swallowed, May cause irritation, burning in the mouth, throat, and stomach, Slight acute toxicity if swallowed

**5. FIRE-FIGHTING MEASURES**

**Extinguishing Media SUITABLE:** Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials  
**Hazardous Decomposition** Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes  
**Reactive With...** Incompatible with, strong oxidizing agents, bleach  
**Explosion Hazards** Not applicable  
**Static Discharge** Not applicable  
**Mechanical Impact** Not applicable  
**Protective Equipment** Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Procedures:** Warn personnel of spill  
**Personal Precautions:** Avoid slipping on spilled product  
**Protective Equipment:** Safety Glasses  
**Containment:** Use rags or towels to prevent spill from spreading  
**Clean Up Procedures:** Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water  
**Disposal:** Dispose of material in accordance with all State and Federal Guidelines and Regulations

**7. HANDLING AND STORAGE**

**Handling** Avoid eye contact. Harmful if swallowed  
**Storage** Keep container closed when not in use, KEEP OUT OF REACH OF CHILDREN  
**Incompatible Materials** Incompatible with, strong oxidizing agents, bleach

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Nonylphenol Ethoxylate	None established				

**Personal Protective Equipment**



Not Normally Required



General Ventilation



Eye Wash Station

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Flash Point</b>	Not applicable	<b>Specific Gravity / Density</b>	Not determined
<b>Flammable Limits</b>	Not applicable	<b>pH (± 0.3)</b>	7.2
<b>Auto-Ignition Temp.</b>	Not applicable	<b>Viscosity</b>	Not determined
<b>Physical State</b>	Viscous Paste	<b>Freeze Point</b>	Not determined
<b>Appearance</b>	Yellow Gritty Paste	<b>Boiling Point</b>	Not determined
<b>Odor</b>	Pleasant	<b>Vapor Density (air=1)</b>	Not determined
<b>Odor Threshold</b>	Not determined	<b>Vapor Pressure (mm Hg)</b>	Not determined
<b>Solubility</b>	< 18%	<b>Evaporation Rate (nBuAc=1)</b>	Not determined
<b>Volatiles</b>	< 2%	<b>Partition Coefficient</b>	Not determined
<b>VOC</b>	< 1%	<b>Molecular Weight (g/mol)</b>	Not determined
<b>LVP-VOC</b>	Not determined	<b>Decomposition Temperature</b>	Not determined
<b>Flash Point</b>	Not applicable	<b>Specific Gravity / Density</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Reactivity (Specific Test Data)</b>	None available
<b>Chemical Stability</b>	Stable when stored below 49°C (120°F)
<b>Hazardous Polymerization</b>	Will not occur
<b>Conditions To Avoid</b>	Incompatible materials
<b>Incompatible Materials</b>	Incompatible with, strong oxidizing agents, bleach
<b>Thermal Decomposition</b>	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Skin & eyes

### ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

<b>Eyes</b>	Can cause eye irritation
<b>Skin</b>	May cause mild skin irritation
<b>Inhalation</b>	Not applicable
<b>Ingestion</b>	May be harmful if swallowed

### CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

<b>Eyes</b>	May cause serious eye irritation
<b>Skin</b>	Can cause mild skin irritation, drying or cracking
<b>Inhalation</b>	Not applicable
<b>Ingestion</b>	Harmful if swallowed, May cause irritation, burning in the mouth, throat, and stomach, Slight acute toxicity if swallowed

<b>Acute Tox Calculated</b>	<b>Oral:</b> 18,025mg/kg <b>Dermal:</b> 24,237mg/kg <b>Inhaled:</b> 39.8mg/L
<b>Acute Tox Category</b>	Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist

<b>Additional Info</b>	
<b>Target Organs</b>	Eyes (Lens or cornea)
<b>Medical Conditions</b>	Preexisting, eye, disorders may be aggravated by exposure to this product
<b>Notes to Physician</b>	In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

### CARCINOGENIC – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
None Listed	NA	NA	NA	NA

### MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	Germ Cell Mutagenicity	Toxic to Reproduction
None Listed	NA	

### COMPONENTS ACUTE TOXICITY

CHEMICAL NAME	Type	Form	Subject	Result Value	Exposure Time	GHS Category
Nonylphenol Ethoxylate	LD50	Oral	Rat	960 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Inhaled	Rat	1.15 mg/L	4 Hours (Mist)	4 (>1.0, ≤5 mg/L)
	LD50	Dermal	Rabbit	2,001 mg/kg		(>2000 mg/kg)

## 12. ECOLOGICAL INFORMATION

CHEMICAL NAME	Type	Subject Subject Latin	Result Value	Exposure Time	GHS Category
Nonylphenol Ethoxylate	LC50	Fathead Minnow ( <i>Pimephales promelas</i> )	3.8 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	LC50	Water Flea ( <i>Daphnia magna</i> )	9.3 mg/L	48 Hours	2 (>1, ≤10 mg/L)

<b>Persistence And Degradability</b>	No specific biodegradation test data was located
<b>Bioaccumulative Potential</b>	No data available
<b>Mobility In Soil</b>	No data available
<b>Other Adverse Effects</b>	No data available

### 13. DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER  
Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

### 14. TRANSPORT INFORMATION

<b>Proper Shipping Name:</b>	Non Hazardous- Compounds Cleaning Liquid
<b>Shipping Class:</b>	N/A
<b>DOT Identification Number:</b>	N/A
<b>DOT Shipping Label:</b>	Not Regulated by DOT.
<b>TDG Classification:</b>	Not controlled under TDG (Canada)

### 15. REGULATORY INFORMATION

<b>U.S. Federal Regulatory Information</b>	
<b>SARA 302 Threshold Planning Quantity:</b>	N/A
<b>SARA 304 Reportable Quantity:</b>	N/A
<b>Sara 311 Categories:</b>	
<b>Acute Health Effects:</b>	None
<b>Chronic Health Effects:</b>	None
<b>Fire Hazard:</b>	No
<b>Sudden Release of Pressure Hazard:</b>	No
<b>Reactivity Hazard:</b>	No
<b>EPA/TSCA Inventory:</b>	Listed
<b>EPA Classification Code:</b>	N/A
<b>CERCLA:</b>	No components are subject to reporting.
<b>Sara Title III-Section 313 Supplier Notification:</b>	No components listed in this product exceed the DE Minimus reporting level established by SARA Title III< Section 313 and 40 CFR 372.
<b>WHMIS Classification:</b>	See Section 2.
<b>Other Regulations:</b>	All components of this formulation are listed on the CEPA-DSL

### 16. OTHER INFORMATION

<b>Issue Date</b>	1/16/2017	<b>Revision Date</b>	1/16/2017
-------------------	-----------	----------------------	-----------

#### NFPA Hazard Rating:

<b>Health:</b>	<b>1</b>	<b>Slight</b>
<b>Flammability:</b>	<b>0</b>	<b>Negligible</b>
<b>Reactivity:</b>	<b>0</b>	<b>Negligible</b>

\*Threshold Limit Value/Personal Exposure Limit  
N/A = Not Applicable  
N/E = Not Established

#### 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.