



# SAFETY DATA SHEET

Issue Date 4/15/2015

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Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name:** EXTRA CLEAN

### Other means of identification

**Product code:** FS-809

**Synonyms:** None

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

**Recommended Use:** Cleaning agent.

**Uses advised against:** Consumer use

### 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

### Classification

#### **OSHA Regulatory Status**

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

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

### Label elements

#### EMERGENCY OVERVIEW

#### **Signal word**

Warning

#### **Hazard statements**

Causes skin irritation

Causes serious eye irritation



**Appearance** Aqueous solution**Physical state** Liquid**Odor** Pleasant**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection

**Eyes** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

**Skin** IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

**Hazards not otherwise classified (HNOC)****Other information**

• May be harmful if swallowed

**Unknown Acute Toxicity**

4.32% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Components	CAS-No	Weight %	Trade Secret
Ethanol, 2-butoxy-	111-76-2	5-15	*
Dodecylbenzenesulfonic acid, triethanolamine salt	27323-41-7	1-10	*
Silica acid, disodium salt	6834-92-0	1-10	*

**4. FIRST AID MEASURES****First aid measures****Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.**Skin contact:** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen.**Ingestion:** Do not induce vomiting without medical advice.**Most important symptoms and effects, both acute and delayed****Symptoms:** No information available.**Indication of any immediate medical attention and special treatment needed****5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

The product is not flammable.

Unsuitable extinguishing media No information available

**Specific hazards arising from the chemical**

None in particular.

**Explosion data**

**Sensitivity to Mechanical Impact** None.  
**Sensitivity to Static Discharge** None.

**Special protective equipment 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:** Avoid contact with skin and eyes. Use personal protective equipment.

**Environmental precautions**

**Environmental precautions:** Do not flush into surface water.

**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:** Wipe up with absorbent material (e.g. cloth, fleece).

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling:** Prepare the working solution as given on the label(s) and/or the user instructions. Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions:** Freezing will affect the physical condition but will not damage the material. Thaw and mix before using

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

Components	ACGIH TLV	OSHA (TWA mg/m <sup>3</sup> ):	IDLH:
Ethanol, 2-butoxy- - 111-76-2	20 ppm	240 mg/m <sup>3</sup>	

**Appropriate engineering controls**

**Engineering measures to reduce exposure:** Ensure adequate ventilation, especially in confined areas.

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

**Respiratory protection:** Not required; except in case of aerosol formation.

**Hand protection:** Nitrile rubber

**Eye protection:** Safety glasses

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect

**General Hygiene Considerations:** Avoid contact with skin, eyes and clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**Physical state:** Liquid

**Appearance:** Aqueous solution **Odor:** Pleasant

**Color:** Clear

**Odor threshold:** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>		
<b>Melting point/freezing point</b>	<= 0 °C / 32 °F		<b>pH</b>	11.2
<b>Flash point</b>	No information available	Cleveland Open Cup	<b>Boiling point / boiling range</b>	>= 100 °C / 212 °F
<b>Flammability (solid, gas)</b>	No information available		<b>Evaporation rate</b>	No information available
<b>Upper flammability limit:</b>	No information available		<b>Flammability Limit in Air</b>	
<b>Vapor pressure</b>	No information available		<b>Lower flammability limit:</b>	No information available
<b>Specific Gravity</b>	> 1.0		<b>Vapor density</b>	No information available
<b>Solubility in other solvents</b>	No information available		<b>Water solubility</b>	Completely soluble
<b>Autoignition temperature</b>	No information available		<b>Partition coefficient</b>	No information available
<b>Kinematic viscosity</b>	No information available		<b>Decomposition temperature</b>	No information available
<b>Explosive properties</b>		No information available	<b>Dynamic viscosity</b>	No information available
<b>Oxidizing properties</b>		No information available		

**Other information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

**10. STABILITY AND REACTIVITY****Reactivity**

Not applicable

**Chemical stability****Stability:** Stable under normal conditions**Possibility of Hazardous Reactions****Possibility of Hazardous Reactions:** None under normal processing.**Hazardous polymerization:** Hazardous polymerization does not occur.**Conditions to avoid****Conditions to avoid:** No special storage conditions required**Hazardous Decomposition Products****Hazardous Decomposition Products:** None reasonably foreseeable**Incompatible materials****Incompatible materials:** Acids**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information:** May be harmful if swallowed

<b>Eye contact:</b>	Moderately irritating to the eyes.
<b>Skin contact:</b>	May cause irritation.
<b>Inhalation:</b>	Avoid breathing vapors or mists.
<b>Ingestion:</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol, 2-butoxy- - 111-76-2	= 470 mg/kg ( Rat )	= 220 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
Dodecylbenzenesulfonic acid, triethanolamine salt - 27323-41-7	= 2320 mg/kg ( Rat )	-	-
Silica acid, disodium salt - 6834-92-0	= 600 mg/kg ( Rat )	-	-

### Information on toxicological effects

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization:</b>	No sensitization responses were observed.
<b>Mutagenic effects:</b>	Did not show mutagenic or teratogenic effects in animal experiments.
<b>Carcinogenicity:</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity:</b>	This product does not contain any known or suspected reproductive hazards.
<b>STOT - Single Exposure:</b>	None under normal use conditions.
<b>STOT - Repeated Exposure:</b>	None under normal use conditions.
<b>Aspiration hazard:</b>	Not applicable.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity:** 4.32% of the mixture consists of ingredient(s) of unknown toxicity

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

<b>ATEmix (oral):</b>	3024 mg/kg
<b>ATEmix (dermal):</b>	8130 mg/kg
<b>ATEmix (inhalation-dust/mist):</b>	13 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No known hazards to the aquatic environment.

4.319508% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Ethanol, 2-butoxy- - 111-76-2	
<b>Algae/aquatic plants</b>	-
<b>Fish</b>	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50
<b>Crustacea</b>	1000: 48 h Daphnia magna mg/L EC50
Silica acid, disodium salt - 6834-92-0	
<b>Algae/aquatic plants</b>	-
<b>Fish</b>	210: 96 h Brachydanio rerio mg/L LC50 210: 96 h Brachydanio rerio mg/L LC50 semi-static
<b>Crustacea</b>	-

### Persistence and degradability

Readily biodegradable, according to appropriate OECD test. (based on components).

### Bioaccumulation

No information available.

### Mobility

Soluble in water.

Components	Partition coefficient
Ethanol, 2-butoxy- - 111-76-2	0.81

### 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

- DOT:** Not Regulated by any means of transportation

### 15. REGULATORY INFORMATION

#### International Inventories

- TSCA:** Listed in TSCA
- DSL:** All of the components in this product are listed in DSL
- EINECS/ELINCS:** This product complies with EINECS/ELINCS
- CHINA:** This product complies with China IECSC.
- KECL:** This product complies with Korea KECL.
- PICCS:** This product complies with Philippines PICCS.
- AICS:** All the constituents of this material are listed on the Australian AICS

#### Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDL** - 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

#### Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Components	SARA 313 Threshold:
Ethanol, 2-butoxy-	Ethanol, 2-butoxy- (5 - 15%)

##### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

##### 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

**State Regulations (RTK)****California Proposition 65**

This product does not contain any Proposition 65 chemicals

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

Components	NJRTK:	MARTK:	PARTK:
Ethanol, 2-butoxy- - 111-76-2	Substance no. 0275 Listed.	Listed.	Listed.
Dodecylbenzenesulfonic acid, triethanolamine salt - 27323-41-7	Substance no. 1905 Listed.	Listed.	Listed.

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

<b>16. OTHER INFORMATION</b>
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**Nfpa**

**Health:** 1

**Flammability:** 0

**Instability:** 0

**NFPA/HMIS \* for Carc, Muta, Tera, Specific Organ \***

**HMIS health rating**

**Health:** 1

**Flammability:** 0

**Physical hazards:** 0

**Personal protection:** B

**Issue Date** 4/15/2015

**Revision Date** 4/15/2015

**Revision Note**

Not applicable

**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 Safety Data Sheet**