

# Safety Data Sheet

Klotz Synthetic Lubricants, Inc.

## 1. Product and Supplier Information



**Product Name:** Octane Booster- KL-602, KL-628

**Manufacturer:** Klotz Synthetic Lubricants

**Phone Number:** 260.490.0489

**Emergency Contact:** 800.424.9300 Chemtrec

### Address

Klotz Synthetic Lubricants, Inc.  
7424 Freedom Way  
Fort Wayne, IN 46818 USA

### Recommended Use:

Fuel Additive

### Restrictions of use:

Not for use in any other than  
Fuel Additive

## 2. Hazard(s) Identification

**Osha Hazard Classification: 29 CFR 1910.1200(g)(4)**

Ingredients: Petroleum Distillate NOS

Alcohols: 0

Tetraethyl Lead: 0.00 g/gal

## 3. Composition/Information on Ingredients

CAS #	SARA 313 ppm	Material or Component	Range %	Exposure Limits ACGIH	
				TWA	STEL
111-65-9	No 500	Octane	100%	300 ppm	350 ppm

## 4. First Aid

**General Advice:** Consult a physician. Show Klotz form **KLHC-SO** to the attending doctor.

**Inhalation:** Move yourself and/or individual into fresh non stagnant air. Seek medical attention if breathing becomes harder. Vapors from exhaust may irritate breathing passages.

**Skin Contact:** Wash all areas of contact with hand soap and water. Always wash hands exposed to prevent ingestion. Extended or repeated contact might irritate the skin.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart.

**Ingestion:** Seek immediate medical attention. Induce vomiting only as directed by physician. Drink water to dilute. Never give anything by mouth to an unconscious person.

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### 5. Fire Fighting Measures

**Flammability Summary(OSHA)** No data on combinations. Component data given below.

Flammable

Flammable Properties:	Product
Flash Point:	87°F (30°C)
Autoignition Temperature:	No Data
Upper Flammable/Explosive Limit, % in air:	7.6
Lower Flammable/Explosive Limit, % in air:	1.5

#### Conditions of flammability:

Flammable in the presence of a source of ignition and the liquid product is above the flash point.  
Keep away from high heat/ sparks/ open flame/ or hot surface.

#### Extinguishing Media:

Foam, Dry chemical or carbon dioxide

#### Fire Fighting Instructions:

In case of fire, call emergency services. Then use normal fire fighting equipment including a NIOSH approved self-contained breathing apparatus. Use water to cool containers.

### 6. Accidental Release Measures

#### Personal Protection for Emergency Situations:

Eliminate any ignition sources until the area is determined to be free from explosion and fire hazards.

#### Spill Mitigation Procedures

**Air Release:** NA

**Water Release:** This product is soluble in water. Contain all liquid for treatment and /or disposal as a hazardous waste. Notify all downstream users of possible contamination.

**Land Release:** Create a barrier to stop and prevent further spill on land. After spill is contained, then use material that is absorbent to soak up all product. All remaining, use an environmentally friendly cleaning soap to clean area.

**Additional Spill Information:** Stop all contamination as soon as possible and notify appropriate personnel. Use the dispose of spill residues per guidelines Section 13, Disposal Considerations.

### 7. Handling and Storage

**Handling:** Be careful when handling to not expose skin, eyes, or mouth to the product.

**Storage:** Keep in cool dry location with the container sealed with cap.

**Shelf Life Limitations:** If product is in the original container with cap sealed away from the oxygen, this product has an indefinite shelf life.

**Incompatible Materials for Storage:** None

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### 8. Exposure Controls and Personal Protection

CAS #	Material or Component	Parameter	Value	Source
111-65-9	Octane	TWA	300 ppm	OSHA 1910.100 Table Z-1

#### Protective Equipment for Routine Use of Product

**Skin:** Wear impervious gloves to avoid skin contact when handling. Follow good hygiene practices

**Eyes:** Always wear protection over your eyes when handling product.

**Protective Clothing Type:** Impervious

**Other:** Safety shower and eye bath should at all times be available.

### 9. Physical Data

**Boiling Point:** 189°F (88°C)

**Freezing Point:** N/A

**Melting Point:** N/A

**Vapor Pressure (mmHg)@20°C:** 350-800 mmHg (68°F)

**Solubility in Water:** Very Slow

**Evaporation Rate(Water=1):** Slower than ether

**Odor:** Pungent

**Specific Gravity:** .800 (60/60°F)

**% Volatile By Vol.:** 100%

**Viscosity (cSt @ 100 C):** 6 cSt/40°F

**Vapor Density (Air=1):** Heavier

**Bulk Density :**N/A

**Pour Point:** N/A

**Appearance:** Green

### 10. Stability and Reactivity

#### Chemical Stability:

Stable under normal conditions

#### Reactive Properties:

Sensitivity to mechanical shock: None

Hazardous Polymerization: Will not occur.

Conditions to avoid: heat/sparks/flame

Chemical Incompatibility: None

Incompatible material: None

Decomposition Temperature: None

Product may be unstable at: Temperatures higher than operating temperature.

### 11. Toxicological Information

#### Component Animal Toxicology

Fuel additive

Oral LD50 Value:

>2000mg/kg

Dermal LD50 Value:

No Data

Inhalation LC50 Value:

>30000 mg/kg

Eye Irritation: This material is expected to be severely irritating

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## 12. Ecological Information

### Lubricant

Ecotoxicity

Acute and Prolonged toxicity to Fish-

Rainbow trout/ LC50 (96 h): > 100 mg/l

Toxicity to Microorganisms: N/A

Not a marine pollutant

Environmental Fate:

Test method: OECD Guideline 301F

Method of Analysis: BOD of the ThOD

Degree of Elimination: >60 % (28 d)

Evaluation: Readily Biodegradable

## 13. Disposal Considerations

### Waste Disposal Summary:

Product as supplied qualifies as "Unlisted Hazardous Waste D001" with the Characteristic of Ignitability

### Disposal Methods:

Dispose of in accordance with local, state, and federal regulations for hazardous waste.

### Components subject to land ban restrictions:

No Components subject to land ban restrictions

## 14.1 Transportation Information

<b>Shipping Name:</b>	Petroleum Distillate NOS	<b>Hazard Class:</b>	Flammable Liquid
<b>ID Number:</b>	UN 1268	<b>Marking:</b>	Petroleum Distillate NOS
<b>Label:</b>	Petroleum Distillate NOS, UN-1268	<b>Placard:</b>	ORM-D
<b>IMCO Hazard Class:</b>	3	<b>Packaging Group:</b>	III
<b>HMIS Code:</b>	H=1 F=3 R=0	<b>IMCO Page #:</b>	57 2012 Edition
<b>RCRA Classification:</b>	Not a Marine Pollutant	<b>NFPA Code:</b>	H=1 F=3 R=0

## 15. Regulatory Information

Miscellaneous Information: This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA) and the Canadian Domestic Substance List (DSL).

## 16. Other Information

Date of Preparation	Reason for Issue	Prepared By
Original date: 11/19/2015	Generation 1	Klotz Synthetic Lubricants, Inc.
Revised date: 05/08/2017	Color format	