

# SAFETY DATA SHEET

US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 20-Jun-2022

Revision Date 20-Jun-2022

Revision Number 1

## 1. Identification

### Product identifier

Product Name KLOTZ LIMITED SLIP BOOSTER

### Other means of identification

Product Code(s) KE-910

Synonyms KE-910 LIMITED SLIP BOOSTER

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

Recommended use Top-treat additive for gear oils

Restrictions on use For automotive and motorsports axles

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

#### Supplier Address

Klotz Lubricants LLC  
7424 Freedom Way  
Fort Wayne, IN 46818  
260-490-0489

E-mail jhorstman@klotzlube.com

### Emergency telephone number

Emergency telephone Chemtrec 1-800-424-9300

## 2. Hazard(s) identification

### Classification

Skin Irritation	Category 2
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### Label elements

#### Warning

**Hazard statements**  
Causes skin irritation.

**Precautionary Statements - Prevention**

Wear protective gloves. Thoroughly wash hands after use.

**Precautionary Statements - Response**

IF ON SKIN: Wash with soap and water. Wash contaminated clothing.

IF SKIN IRRITATION OCCURS: Get medical attention.

**Precautionary Statements - Storage**

Store in a well-ventilated location.

**Precautionary Statements - Disposal**

Dispose of contents and container to an approved waste disposal plant.

**Other information**

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

### 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture****Synonyms**

KE-910 LIMITED SLIP BOOSTER

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
(Z)-octadec-9-enylamine	112-90-3	≥15 - <20	-	-
bis(2-ethylhexyl) hydrogen phosphate	298-07-7	≥5 - ≤10	-	-
2-ethylhexyl dihydrogen phosphate	1070-03-7	≥5 - ≤10	-	-

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

### 4. First-aid measures

**Description of first aid measures****General advice**

IF exposed or concerned: Get medical advice/attention.

**Inhalation**

Remove to fresh air.

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids.

**Skin contact** Wash skin with soap and water.

**Ingestion** Rinse mouth.

**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** In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.

**Unsuitable extinguishing media** Do not use water jet.

**Specific hazards arising from the chemical** In a fire or if heated, a pressure increase will occur, and the container may burst. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous combustion products** Carbon dioxide, carbon monoxide, nitrogen oxides, phosphorous oxides

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## **6. Accidental release measures**

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

**Personal precautions** Ensure adequate ventilation.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**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** Pick up and transfer to properly labeled containers.

## **7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, or clothing.

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

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

## **8. Exposure controls/personal protection**

**Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

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

**Eye/face protection** No special protective equipment required.

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Do not eat, drink, or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

**Appearance** Liquid (Clear)  
**Physical state** Liquid  
**Color** Red  
**Odor** Light petroleum  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No data available
Melting point / freezing point		No data available
Initial boiling point and boiling range		No data available
Flash point	125 °C / 257 °F	No data available
Evaporation rate		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Vapor pressure		No data available
Vapor density		No data available
Relative density	0.916	No data available
Water solubility		No data available
Solubility(ies)		No data available
Partition coefficient		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity	7.10 cSt @ 100C	No data available

Dynamic viscosity No data available

**Other information**

Explosive properties No information available.  
 Oxidizing properties No information available.  
 Softening point No information available  
 Molecular weight No information available  
 VOC Content (%) No information available  
 Liquid Density No information available  
 Bulk density No information available

**10. Stability and reactivity**

**Reactivity** No specific test data related to reactivity available for this product or its ingredients.  
**Chemical stability** Stable under normal conditions.  
**Possibility of hazardous reactions** Under normal conditions of storage and use, hazardous reactions will not occur.  
**Conditions to avoid** High temperatures, sparks, and open flames.  
**Incompatible materials** Strong oxidizing and reducing agents  
**Hazardous decomposition products** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. Toxicological information****Information on likely routes of exposure****Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.  
**Eye contact** Specific test data for the substance or mixture is not available.  
**Skin contact** May be harmful in contact with skin.  
**Ingestion** Specific test data for the substance or mixture is not available.

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

**Symptoms** No information available.

**Acute toxicity****Component Information**

Chemical name	Oral LD50	Dermal LD50	Remarks
(Z)-octadec-9-enylamine	Rat: 1689 mg/kg	Rat: >2000 mg/kg	Based on data for a similar substance.
bis(2-ethylhexyl) hydrogen phosphate	Rat: 2500 mg/kg	Rabbit: >2000 mg/kg	
2-ethylhexyl dihydrogen Phosphate	Rat: 2500 mg/kg	Rabbit: >2000 mg/kg	

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

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<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.

**12. Ecological information**

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Chemical name	Result	Species	Exposure	Remarks
(Z)-octadec-9-enylamine	Acute EL50 0.04 mg/l	Algae - Selenastrum capricornutum	96 hours	Based on data for similar substance.
	Acute EL50 0.011 mg/l	Daphnia - Daphnia magna	48 hours	
	Acute EL50 222.5 mg/l	Micro-organism	3 hours	
	Acute LL50 0.06 mg/l	Fish – Pimephales promelas	96 hours	
	Chronic NOEL 0.01 mg/l	Algae – Selenastrum capricornutum	96 hours	
	Chronic NOEL 0.013 mg/l	Daphnia - Daphnia magna	21 days	
bis(2-ethylhexyl) hydrogen phosphate	Acute EL50 > 100mg/l	Algae – Desmodesmus subspicatus	72 hours	Based on data for similar substance.
	Acute EL50 890 mg/l	Micro-organism	3 hours	
	Acute LL50 60.7 mg/l	Daphnia – Daphnia magna	48 hours	
	Acute LL50 20 mg/l	Fish – Oncorhynchus mykiss	96 hours	Based on data for similar substance.
	Chronic EL10 76mg/l	Algae – Desmodesmus subspicatus	72 hours	
	Chronic NOEL 20.6 mg/l	Fish – Oncorhynchus mykiss	48 days	

2-ethylhexyl dihydrogen phosphate	Acute EL50 49 mg/l	Algae – Pseudokirchneriella subcapitata	72 hours	Based on data for similar substance.
	Acute EL50 > 100 mg/l	Daphnia – Daphnia magna	48 hours	Based on data for similar substance.
	Acute EL50 > 420 mg/l	Micro-organism	3 hours	Based on data for similar substance.
	Acute LL50 > 100 mg/l	Fish – Oncorhynchus mykiss	96 hours	Based on data for similar substance.
	Chronic NOEL 25 mg/l	Algae – Pseudokirchneriella subcapitata	72 hours	Based on data for similar substance.

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

**Mobility in soil** No information available.

**Other adverse effects** No information available.

**13. Disposal considerations**

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

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

**14. Transport information**

**DOT** Not regulated

**TDG** UN3082, Packing Group III

**IATA** UN3082, Packing Group III

**IMDG** UN3082, Packing Group III

**15. Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**US Federal Regulations**

**SARA 313**

No SARA 313 chemicals are present above the reporting threshold.

**SARA 311/312 Hazard Categories**

SKIN IRRITATION - Category 2

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

WARNING: This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Issuing Date** 20-Jun-2022**Revision Date** 20-Jun-2022**Revision Note** Initial Release.**Disclaimer**

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**End of Safety Data Sheet**