

Issue Date 09-May-2017

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Version 1

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

### Product identifier

**Product Name** Klüberfood 4 NH1-32

### Other means of identification

**Product code:** 050067

**Synonyms** None

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

**Recommended Use** Lubricant.

**Uses advised against** Consumer use

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

#### **Supplier Address**

Klüber Lubrication NA LP  
32 Industrial Drive  
Londonderry, NH 03053  
Phone: (603) 647-4104  
Fax: (603) 647-4106

### Emergency telephone number

**Emergency Telephone** CHEMTREC: 1-800-424-9300; INTERNATIONAL: (703) 527-3887

## 2. HAZARD IDENTIFICATION

### Classification

#### **WHMIS 2015 Regulatory Status**

This chemical is not considered hazardous by the Canadian Hazardous Products Regulations (WHMIS 2015).

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label Elements

#### **EMERGENCY OVERVIEW**

#### **Signal word**

Not Classified

#### **Hazard statements**

None

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Oil

**Physical state** Liquid

**Odor** Mild

**Precautionary Statements - Prevention**

Not applicable

**Eyes** None

**Skin** None

**Inhalation** None

**Ingestion** None

**Precautionary Statements - Storage**

Not applicable

**Hazards not otherwise classified (HNOC)**

**Other information**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Components	CAS-No	Weight %	Trade Secret
Synthetic hydrocarbon oil	Proprietary	90 - 100%	*
Triphenyl phosphorothionate	597-82-0	0.492	*
N-Phenylbenzenamine	68411-46-1	0.492	*
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	80939-62-4	0.492	*
Hydrotreated Middle Distillate	64742-46-7	0.0707	*
Synthetic Hydrocarbon (NJTS# 11199500000-5142P)	PROPRIETARY	0.05555	*
Synthetic Hydrocarbon (NJTS# 11199500000-5073P)	PROPRIETARY	0.05555	*
Diphenylamine	122-39-4	0.00492	*
Organosiloxane polymer (NJTS #11199500000-5005P)	Proprietary	0.00101	*
2,6-di-tert-butyl-p-cresol	128-37-0	0.000101	*

**4. FIRST AID MEASURES**

**First aid measures**

**Eye contact:** Flush eye with water for 15 minutes. If symptoms persist, call a physician.

**Skin contact:** Rinse with plenty of water. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician.

**Ingestion:** Do not induce vomiting. Consult a physician.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:**

Carbon dioxide (CO2). Dry chemical. Dry sand. Water spray mist or foam. Foam. Water spray.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire

**Specific hazards arising from the chemical**

In the event of fire, cool tanks with water spray.

**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:** Contaminated surfaces will be extremely slippery. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

**Environmental precautions**

**Environmental precautions:** Do not allow material to contaminate ground water system. Prevent product from entering drains.

**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:** Soak up with oil absorbent material. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** Spilling onto the container`s outside will make container slippery.

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

**Storage Conditions** Keep containers dry and tightly closed to avoid moisture absorption and contamination

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** Contains mineral oil, vegetable oil, and/or synthetic oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m<sup>3</sup>, ACGIH STEL of 10 mg/m<sup>3</sup>.

Components	ACGIH TLV	OSHA (TWA mg/m <sup>3</sup> ):	IDLH:
Synthetic hydrocarbon oil -	5 mg/m <sup>3</sup> (oil mist)	Na	
Diphenylamine - 122-39-4	-	(vacated) TWA: 10 mg/m <sup>3</sup>	
2,6-di-tert-butyl-p-cresol - 128-37-0	-	(vacated) TWA: 10 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:** No personal respiratory protective equipment normally required.  
**Hand protection:** Impervious gloves  
**Eye protection:** Safety glasses with side-shields  
**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**

<b>Physical state</b>	Liquid				
<b>Appearance</b>	Oil	<b>Odor</b>	Mild	<b>Color</b>	Clear
				<b>Odor threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>		<b>pH</b>	Not applicable
<b>Melting point/freezing point</b>	No information available			<b>Boiling point / boiling range</b>	> 315 °C / 600 °F
<b>Flash point</b>	204 °C / 400 °F	Cleveland	Open Cup	<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available			<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No information available			<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	No information available			<b>Vapor density</b>	No information available
<b>Specific Gravity</b>	< 1.0			<b>Water solubility</b>	Insoluble in water
<b>Solubility in other solvents</b>	No information available			<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available			<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	approx. 30.7 cSt @ 40 °C			<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</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 recommended storage 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** Oxidising agents

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information

**Eye contact** May cause slight irritation.

**Skin contact** Substance does not generally irritate and is only mildly irritating to the skin.

**Inhalation** Avoid breathing vapors or mists.

**Ingestion** No known effect.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Hydrotreated Middle Distillate - 64742-46-7	= 7400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 1.78 mg/L ( Rat ) 4 h
Diphenylamine - 122-39-4	= 1165 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
2,6-di-tert-butyl-p-cresol - 128-37-0	= 890 mg/kg ( Rat )	-	-

**Information on toxicological effects**

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

**Sensitization** No sensitization responses were observed.  
**Mutagenic effects:** Did not show mutagenic or teratogenic effects in animal experiments.  
**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

<b>Components</b>	2,6-di-tert-butyl-p-cresol - 128-37-0
<b>ACGIH</b>	-
<b>IARC:</b>	Group 3
<b>NTP Report on Carcinogens List -</b>	-
<b>OSHA</b>	-

**Reproductive toxicity** This product does not contain any known or suspected reproductive hazards.  
**STOT - Single Exposure** None under normal use conditions.  
**STOT - Repeated Exposure** None under normal use conditions.  
**Aspiration hazard** Not applicable.

**Numerical measures of toxicity - Product Information**

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

No known hazards to the aquatic environment.

0.001% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Hydrotreated Middle Distillate - 64742-46-7	
Algae/aquatic plants	-
Fish	35: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Pimephales promelas mg/L LC50 static
Crustacea	-
Diphenylamine - 122-39-4	
Algae/aquatic plants	1.5: 72 h Scenedesmus subspicatus mg/L EC50
Fish	3.47 - 4.14: 96 h Pimephales promelas mg/L LC50 flow-through
Crustacea	1.69 - 2.46: 48 h Daphnia magna mg/L EC50
2,6-di-tert-butyl-p-cresol - 128-37-0	
Algae/aquatic plants	6: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.42: 72 h Desmodesmus subspicatus mg/L EC50
Fish	-
Crustacea	-

#### **Persistence and degradability**

No information available.

#### **Bioaccumulation**

No information available.

#### **Mobility**

The product is insoluble and floats on water.

Components	Partition coefficient
Diphenylamine - 122-39-4	3.5
2,6-di-tert-butyl-p-cresol - 128-37-0	4.17

### 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**

Empty containers should be taken for local recycling, recovery or waste disposal.

### 14. TRANSPORT INFORMATION

**DOT** Not Regulated

**TDG** Not Regulated

**IATA-DGR** Not Regulated

**IMO / IMDG** Not Regulated

### 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/NDSL** - 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

**Canada HPR Statement**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

**US 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:
Synthetic hydrocarbon oil	

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<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:
Hydrotreated Middle Distillate - 64742-46-7	Substance no. 1437 Listed. Substance no. 4004 Listed.	Not Listed	Not Listed
Diphenylamine - 122-39-4	Substance no. 0796 Listed.	Listed.	Listed.
2,6-di-tert-butyl-p-cresol - 128-37-0	Substance no. 0814 Listed.	Listed.	Listed.

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**Nfpa:

Health: 1

Flammability: 1

Instability 0

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

HMIS health rating:

Health: 1

Flammability: 1

Physical hazards 0

Personal protection B

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Revision Note

Not applicable

Disclaimer

The information provided in this 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**