

Issue Date 25-Feb-2015

Revision Date 25-Feb-2015

Version 1

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

### Product identifier

**Product Name** WOLFRACOAT C

### Other means of identification

**Product code:** 099113

**UN-No:** UN3077

**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. 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
Skin sensitization	Category 1

### Label elements

#### EMERGENCY OVERVIEW

#### **Signal word**

Warning

#### **Hazard statements**

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction



**Appearance** Paste**Physical state** Solid**Odor** Mild**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

**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

Take off contaminated clothing and wash before reuse

If skin irritation or rash occurs: Get medical advice/attention

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

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

- May be harmful if swallowed
- May be harmful in contact with skin
- Very toxic to aquatic life
- Harmful to aquatic life with long lasting effects

**Unknown Acute Toxicity**

9% 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
Copper	Proprietary	0 - 10%	*
Graphite	Proprietary	0 - 10%	*
Titanium dioxide	Proprietary	0 - 10%	*
Aluminum	Proprietary	0 - 10%	*
Amines, N-tallow alkyltrimethylenedi-, oleates	61791-53-5	1 - 2.5%	*
N,N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	0.1 - 0.3%	*

**4. FIRST AID MEASURES****First aid measures****Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult 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 (CO<sub>2</sub>). Dry chemical. Dry sand. Water spray mist or foam.

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

### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. Water may be used to cool closed containers.

**Hazardous combustion products** Carbon oxides. Nitrogen oxides (NO<sub>x</sub>).

### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Special protective equipment for firefighters:

In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

## 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:** Scrape-up. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep cool. Keep in properly labelled containers. Keep away from direct sunlight

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Components	ACGIH TLV	OSHA (TWA mg/m <sup>3</sup> ):	IDLH:
Copper -	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup> (dust & mists)	
Graphite -	-	5 mg/m <sup>3</sup> (respirable fraction)	
Titanium dioxide -	-	15 mg/m <sup>3</sup> (total dust)	
Aluminum -	-	1 (respirable fraction)	

### 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. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hand protection:** Gloves made of plastic or rubber

**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> Solid			
<b>Appearance</b> Paste	<b>Odor</b> Mild	<b>Color</b> Grey	<b>Odor threshold</b> No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	<u>pH</u>	<u>Not applicable</u>
<b>Melting point/freezing point</b>	No information available		<b>Boiling point / boiling range</b>	No information available
<b>Flash point</b>	Not Applicable	ISO 2592	<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>	< 0.001 hPa, 20 °C		<b>Vapor density</b>	No information available
<b>Specific Gravity</b>	1.01		<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>	No information available		<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 normal conditions

**Possibility of Hazardous Reactions**

<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.

**Conditions to avoid**

<b>Conditions to avoid</b>	Heat, flames and sparks
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**Hazardous Decomposition Products**

<b>Hazardous Decomposition Products</b>	None under normal processing
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**Incompatible materials**

<b>Incompatible materials</b>	Strong oxidising agents
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## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritating to skin. May cause sensitization by skin contact.
<b>Inhalation</b>	Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Graphite -	> 10000 mg/kg ( Rat )	-	-
Titanium dioxide -	> 10000 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>	May cause sensitization by skin contact.
<b>Mutagenic effects:</b>	Did not show mutagenic or teratogenic effects in animal experiments.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Components	Titanium dioxide -
<b>ACGIH</b>	-
<b>IARC:</b>	Group 2B
<b>NTP Report on Carcinogens List -</b>	-
<b>OSHA</b>	-

<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**

<b>Unknown Acute Toxicity</b>	9% of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document .</b>	
<b>ATEmix (oral)</b>	4919 mg/kg
<b>ATEmix (dermal)</b>	4674 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	13205 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

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

22% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Copper -	
<b>Algae/aquatic plants</b>	0.031 - 0.054: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.0426 - 0.0535: 72 h Pseudokirchneriella subcapitata mg/L EC50 static
<b>Fish</b>	0.0068 - 0.0156: 96 h Pimephales promelas mg/L LC50 0.3: 96 h Pimephales promelas mg/L LC50 static 0.052: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.112: 96 h Poecilia reticulata mg/L LC50 flow-through 0.2: 96 h Pimephales promelas mg/L LC50 flow-through 0.3: 96 h Cyprinus carpio mg/L LC50 semi-static 0.8: 96 h Cyprinus carpio mg/L LC50 static 1.25: 96 h Lepomis macrochirus mg/L LC50 static
<b>Crustacea</b>	0.03: 48 h Daphnia magna mg/L EC50 Static

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

### 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 by ground transportation only.  
**UN-No:** UN3077  
**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tallow aminoleate, Copper metal powder)  
**Hazard Class:** 9  
**Packing group:** PGIII

**IATA-DGR**

**UN-No:** UN3077  
**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tallow aminoleate, Copper metal powder)  
**Hazard Class:** 9  
**Packing group:** PGIII

**IMO / IMDG**

**UN/ID No.** UN3077  
**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tallow aminoleate, Copper metal powder)  
**Hazard Class** 9  
**Packing group** PGIII  
**Marine pollutant** Marine pollutant

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA:</b>	Listed in TSCA
<b>DSL:</b>	All of the components in this product are listed in DSL
<b>EINECS/ELINCS</b>	This product complies with EINECS/ELINCS
<b>CHINA:</b>	This product complies with China IECSC.
<b>KECL:</b>	This product does not comply with Korea KECL.
<b>PICCS:</b>	This product does not comply with Philippines PICCS.
<b>AICS:</b>	This product does not comply with Australia 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 contains a chemical or 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:
Copper	Copper (1 - 5%)
Aluminum	Aluminum (1 - 5%)

#### **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 contains the following Proposition 65 chemicals

Components	California Proposition 65 CRT List - Hazard Designation:
Titanium dioxide	Listed: September 2, 2011 Carcinogenic.

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

Components	NJRTK:	MARTK:	PARTK:
Copper -	Substance no. 0528 Listed.	Listed.	Listed.
Graphite -	Substance no. 3325 Listed.	Listed.	Listed.
Titanium dioxide -	Substance no. 1861 Listed.	Listed.	Listed.
Aluminum -	Substance no. 0054 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:** 2**Flammability:** 1**Physical hazards** 0**Personal protection** B**Issue Date** 25-Feb-2015**Revision Date** 25-Feb-2015**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**

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