

MATERIAL SAFETY DATA SHEET

C&C OIL COMPANY, INC.
1591 BIG SHANTY ROAD
KENNESAW, GA 30144
(770) 424-0493

REVISED:
11-2004

I. PRODUCT IDENTIFICATION:

PRODUCT NAME: **EASY BAR** Rotary Kiln Lube
CODE NUMBER: KTL-100
CHEMICAL NAME: Complex Mixture
CHEMICAL FAMILY: Ester
SYNONYMS: N/A
US Patent Number: 6,767,870

II. INGREDIENTS:

This product contains the following materials subject to reporting under SARA 313 emergency planning & community right to know act of 1986 and 40 CFR-372.

<u>NAME</u>	<u>CAS#</u>	<u>% BY WT</u>	<u>OSHA</u>	<u>ACGIH</u>
Copper	7440-50-8	<10.0	1 mg/m3	1 mg/m3

*SOME INGREDIENTS ARE PROPRIETARY. POTENTIAL HAZARDS HAVE BEEN EVALUATED AND PERTINENT INFORMATION HAS BEEN INCLUDED IN SECTIONS III-VII. THIS MATERIAL IS NOT KNOWN TO CONTAIN GREATER THAN 0.1% OF ANY CARCINOGEN LISTED UNDER OSHA OR IARC. ALL COMPONENTS LISTED ON US TSCA INVENTORY.

III. PHYSICAL PROPERTIES

BOILING POINT: F 698°F
MELTING POINT: F 110-120°F
SPECIFIC GRAVITY: (H₂O=1) 1.86 @ 60°F
VAPOR PRESSURE: (mm Hg) NIL @ Ambient
VAPOR DENSITY: (AIR=1) N/A
SOLUBILITY IN H₂O: NIL
PERCENT VOLATILES BY VOLUME: NIL @ Ambient
APPEARANCE: Solid Bronze Bar
ODOR: Mild/Bland

IV. FIRE AND EXPLOSION DATA

FLASH POINT: F 428 Pensky-Martens closed cup
FLAMMABLE LIMITS: LEL: N/D UEL: N/D
Auto-ignition point: greater than 600 C.

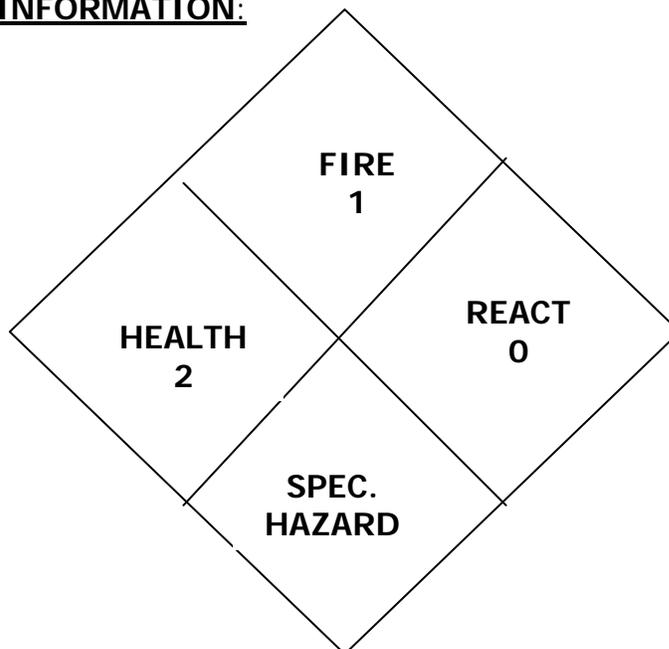
*This product is not defined as flammable or combustible. It is self-extinguishing once the source of ignition is removed

EXTINGUISHING MEDIA: Dry Chemical, CO₂ Foam, Earth or Sand

SPECIAL FIRE FIGHTING PROCEDURES: Contains powdered copper. Treat as petroleum fire. Prevent runoff from fire control or dilution from entering streams or sewers. Water may cause frothing, water stream may spread fire. Firefighters must use self-contained breathing apparatus for fires in enclosed areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contains Powdered Copper

NFPA CLASSIFICATION INFORMATION:



0=Least 1=Slight 2=Moderate 3=High 4=Extreme

V. REACTIVITY DATA

STABILITY: Stable

CONDITIONS CONTRIBUTING TO INSTABILITY: None

INCOMPATIBILITY: (Avoid Contact With): Strong Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS (Thermal or Other): CO & CO₂ if
combustion incomplete

AVOID CONTACT WITH: Open Flames

VI. HEALTH HAZARD INFORMATION

PERMISSIBLE EXPOSURE LIMITS: (Specify TLV, TWA, or Ceiling)

<u>COMPONENT</u>	<u>OSHA PEL/TWA</u>	<u>CAS#</u>
Graphite Powder	2.5 mg/m ³	7782-42-5
Copper Powder	1 mg/m ³	7440-50-8

IRRITATION:

Skin: This product is not expected to cause any skin irritation upon contact, however, molten wax will cause burns on contact with skin.

Eyes: This product is non-irritating to the eyes upon direct contact. Molten wax fumes may be slightly irritating.

Lungs: This product is non-irritating at ambient temperatures. Molten wax fumes may cause respiratory tract irritation and may cause weak cholinesterase inhibition. See notes to physician below.

CORROSIVITY:

- Non-Corrosive

INGESTION:

- May cause digestive tract irritation, nausea or diarrhea.
See notes to physician below.

VII. EMERGENCY FIRST AID

Ingestion: Do NOT induce vomiting, may act as a laxative. Consult medical personnel. See notes to physician below.

Skin Contact: Remove contaminated clothing. If material is hot, submerge injured area in cold water. Seek medical attention for burns.

Eye Contact: Flush with water at least 15 minutes. Get medical attention for thermal burns if material was hot.

Inhalation: Remove to fresh air. Consult medical personnel. See notes to physician below

Note to Physician: A proprietary component of this product has been reported to be a weak cholinesterase inhibitor in humans. Symptoms of cholinesterase inhibition may include headache, nausea, sweating, numbness and tingling in hands & feet, muscle twitching, tremors, blurred vision, tears, abdominal cramps, diarrhea and chest discomfort. In cases of cholinesterase inhibition atropine by injection is antidotal.

VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

ENVIRONMENTAL IMPACT: Report spills as required TO APPROPRIATE AUTHORITIES. REGULATIONS REQUIRE IMMEDIATE REPORTING OF ANY SPILLS THAT COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

- Absorb molten material with sand or inert material.
- Sweep or scoop up and dispose of in an approved waste disposal facility in accordance with current applicable laws and regulations.
- DO NOT** flush into sewer or drain

WASTE DISPOSAL METHOD:

- This material is not expected to be a characteristic hazardous waste under RCRA. However, utilize only licensed waste disposal or recycling facility.

IX. CONTROL MEASURES

VENTILATION REQUIREMENTS: (maintain exposure below PEL)

-Use with adequate ventilation

EYE:

-Face shield, Safety Glasses

HAND (GLOVE TYPE): -PVC, Neoprene, or Polyethylene

RESPIRATOR TYPE: (USE NIOSH/MESA APPROVED EQUIPMENT ONLY)

-Not normally needed. If vapor is generated when hot, use organic vapor cartridge with mist filter.

OTHER PROTECTIVE EQUIPMENT:

-Use insulated protective clothing if handling molten material

PRECAUTIONARY NOTES:

-Wash thoroughly after handling.
-Keep away from sparks or flames.

OTHER HANDLING AND STORAGE CONDITIONS:

-Keep containers closed, cool and dry.

X. OTHER REGULATORY INFORMATION

CERCLA- Product is not known to contain >0.1% of any CERCLA hazardous substances.

RCRA- Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. However, as outlined in section VIII disposal should be in compliance with Federal, State, and Local laws.

TSCA- All components listed

SARA 311/312- Product does not contain greater than 0.1% of any chemical substance on the SARA EXTREMELY HAZARDOUS SUBSTANCE list. Also since this product is a solid under normal usage it is not considered hazardous under OSHA 1910.1200 (b) (ii).

SARA 313- Contains <10% copper as a powder 50 microns or larger.

The Above Information Is Accurate To The Best Of Our Knowledge. However, Since Data, Safety Standards, And Government Regulations Are Subject To Change and The Conditions Of Handling And Use, Or Misuse Are Beyond Our Control, C&C Oil Co. Makes No Warranty, Either Express Or Implied, With Respect To The Completeness Or Continuing Accuracy Of The Information Contained Herein And Disclaims All Liability for Reliance Thereon. User Should Satisfy Himself That He Has All Current Data Relevant To His Particular Use.