



KOPR-KOTE®

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Issue date: 03/19/2020

Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : KOPR-KOTE®

1.2. Recommended use and restrictions on use

Recommended uses and restrictions : TOOL JOINT & DRILL COLLAR COMPOUND

1.3. Supplier

Manufacturer

Jet-Lube
930 Whitmore Drive
75087 Rockwall, Texas - USA
T 1.972.771.1000
Regulatory@whitmores.com - www.jetlube.com

Distributor

Jet-Lube of Canada LTD
Units 8 & 9, 1260 - 34 Avenue
T9E 1K7 Nisku, AB - Canada
T 1.780.463.7441
Regulatory@whitmores.com - www.jetlube.com

1.4. Emergency telephone number

Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week
Within USA and Canada: 1.800.424.9300
Outside USA and Canada: +1.703.527.3887
(collect calls accepted)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Precautionary statements (GHS CA) : P280 - Wear eye protection, protective gloves.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Distillates (petroleum), hydrotreated heavy naphthenic	Distillates (petroleum), hydrotreated heavy naphthenic, Baseoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.] distillates (petroleum), hydrotreated heavy naphthenic	(CAS-No.) 64742-52-5	40 - 50	Not classified

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Copper	1721 gold / allbri natural copper / ANAC 110 / arwood copper / C.I. 77400 / C.I. pigment metal 2 / CDA 101 / CDA 102 / CDA 110 / CDA 122 / copper / copper bronze / copper foil / copper massive / copper slag-airborne / copper slag-milled / copper, bar / copper, granule / copper, plate / copper, rod / copper, shot / copper, turnings / copper, wire / copper-airborne / copper-milled / E115 (metal) / gold bronze / kafar copper / M 1 / M 2 / M 3 / M 4 / M3R / M3S / OFHC Cu / raney copper	(CAS-No.) 7440-50-8	5 - 10	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Copper (7440-50-8)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
Notations and remarks	Irr; GI; metal fume fever
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
Notations and remarks	Irr; GI; metal fume fever
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
Notations and remarks	Irr; GI; metal fume fever
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
Notations and remarks	Irr; GI; metal fume fever
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
Notations and remarks	Irr; GI; metal fume fever
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
Notations and remarks	Irr; GI; metal fume fever
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
Notations and remarks	Irr; GI; metal fume fever
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
Notations and remarks	Irr; GI; metal fume fever
Canada (Ontario) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
Notations and remarks	Irr; GI; metal fume fever
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³
OEL STEL (mg/m ³)	3 mg/m ³
USA - ACGIH - Occupational Exposure Limits	
Local name	Copper, as Cu
ACGIH TWA (mg/m ³)	0.2 mg/m ³ (Fume) 1 mg/m ³ (Dusts and mists)
Remark (ACGIH)	TLV® Basis: Irr; GI; metal fume fever
Regulatory reference	ACGIH 2019
USA - OSHA - Occupational Exposure Limits	
Local name	Copper
OSHA PEL (TWA) (mg/m ³)	0.1 mg/m ³ (Fume (as Cu)) 1 mg/m ³ (Dusts and mists (as Cu))

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Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
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8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves. Neoprene or nitrile rubber gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste.
Color	: Metallic
Odor	: Petroleum-like odour
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 232 °C Open Cup
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Vapor pressure at 50 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 1.21
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosion limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rat	> 5000 mg/kg Sufficiently refined
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 5 mg/l/4h Aerosol

Copper (7440-50-8)

LD50 oral rat	> 2500 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: other:MAFF 4200 (1985)
LC50 inhalation rat (mg/l)	> 5.11 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified.

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

: Not classified

STOT-repeated exposure

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

LOAEL (oral,rat,90 days)	125 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
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Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Copper (7440-50-8)

LC50 fish 1	38.4 – 256.2 µg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Read-across)
EC50 Daphnia 1	3.8 – 118.5 µg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Weight of evidence)

12.2. Persistence and degradability

Copper (7440-50-8)

Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

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Copper (7440-50-8)

Bioaccumulative potential	Bioaccumulation: not applicable.
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12.4. Mobility in soil

Copper (7440-50-8)

Ecology - soil	Adsorbs into the soil.
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12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

Not regulated for transport

IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. National regulations

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

Listed on the Canadian DSL (Domestic Substances List)

Copper (7440-50-8)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Copper (7440-50-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

Issue date : 03/19/2020

SDS Canada (GHS)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.