

CP8-TB: Kopr-Shield



Features:

- Prevents oxidation and corrosion on bus bars and wire
- Reduces resistance
- Made from colloidal copper and inhibitors

Not available for air shipment

Part #	Size
CP8-TB	8 oz

CP8-TB: Kopr-Shield



Sealants & Lubricants

T&B Catalog Number: CP16
UPC Number: 78621080637
Status: Active

Description:

Kopr-Shield™ Compound-The copper colloidal surface treatment that protects, lubricates and enhances conductivity between all electrical connections.



Features

- Unique, homogenized blend of pure, polished colloidal copper, rust and corrosion inhibitors.

Application

- Electrical and Mechanical Connections

General

Material

Compound

Packaging

Inner Package

1

Outer Package

12

Packaging

16 ounce container with brush

Package Height

5.7

Package Length

13.3

Package Width

10.4

T&B Sold in UOM

Each

T&B Weight Per UOM

118.75 lbs. per 100

Application Support

MSDS Number

MSDS-0025-TB2

T&B Instruction Sheets

ta02448-tb2

Notes

- Kopr-Shield™ Compound

Certifications

RoHS Compliance

Every threaded joint, every mating surface, every solderless connection is improved and protected by KOPR-SHIELD* compound. It literally "copperplates" mating surfaces to improve conductivity or ground continuity.

- Prevents seizing of threaded fittings.
- Seals out moisture, corrosive fluids, gases in threaded connections.
- Protects against most corrosive solutions.
- Assures lower contact resistance.
- Improves ground continuity.
- Lowers torque resistance.
- Contains fine rust and corrosion inhibitors.
- Easy to apply -- will not run, drip or harden.
- Temperature Limits - 40°F to +300°F.

Contents: Petroleum Oil
64742-62-7; Copper 7440-50-8;
Clay 68953-58-2; Alkylene
Carbonate 1083-27; Zinc Dithio
Carbamate 15337-18-5

Conforms to mil spec.
MIL-PRF-907E

T&B Material Safety Data Sheet
Number MSDS-0025

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Manufactured by Jet-Lube, Inc for Thomas & Betts Corp. TA02447 D

KOPR-SHIELD®

ONE
HALF Lb



Cat. No. CP8-TB

Conductor Termination
Compound

Electrically Conductive,
Corrosion Resistant
Compound



WARNING
DO NOT APPLY
ON LIVE WIRES.

Thomas & Betts Corporation
Memphis, Tennessee
www.tnb.com

*Registered Trademark of Jet-Lube, Inc

Made in U.S.A

Thomas & Betts

INSTRUCTIONS FOR CABLE CONNECTIONS

- 1) Coat cable strands with compound.
- 2) Work compound down between strands.
- 3) Insert the coated cable into connector and tighten or compress joint.
- 4) Wipe off excess compound thoroughly from outside of connector and cable insulation.

For field threaded joints and other mating surfaces, coat threads or mating surfaces with compound and assemble.

NOTE: For use on electrical cables in cable connector assemblies, on bus bars rated for NEC applications up to 8kV and 90° C, and threads of steel conduit.

Limited Warranty Applies.

Refer to: www.tnb.com/ecpwarranty for full warranty terms.

WARNING

This product contains refined petroleum oils and additives which may irritate the skin and eyes on prolonged contact and cause distress to the gastrointestinal system if ingested. USE PROTECTIVE WEAR TO AVOID EYE AND SKIN CONTACT AND KEEP AWAY FROM MOUTH. WASH THOROUGHLY AFTER USING. KEEP CONTAINER CLOSED AND AWAY FROM CHILDREN AND ANIMALS. DO NOT STORE OR USE NEAR FOOD OR FEED. Empty containers retain residue and can be dangerous. DON'T EXPOSE TO SOURCE OF IGNITION OR ATTEMPT TO CLEAN. DISPOSE OF IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS.

CP8-TB: Kopr-Shield

1. PRODUCT and COMPANY INFORMATION

PRODUCT	* KOPR-SHIELD® Anti-Seize Lubricant	EMERGENCY TELEPHONE NUMBER	
CATALOG NUMBERS	CP8-TB, CP16, CP128, 201-31879, 201-31879-1	TELEPHONE NUMBER FOR INFORMATION	CHEMTREC: 800-424-9300 901-252-5000 ext. 8324
MANUFACTURER / SUPPLIER	THOMAS & BETTS CORPORATION	DATE OF REVISION or PREPARATION	APRIL 27, 2012
ADDRESS	8155 T & B BOULEVARD, MEMPHIS, TENNESSEE 38125		

2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	% BY WT	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA PEL	OSHA STEL
PETROLEUM OIL	64742-57-0 64742-62-7	60 - 68	N/A	N/A	10 mg/m ³	OIL MIST TWA - 5 mg/m ³	STEL: 10 mg/m ³
COPPER POWDER	7440-50-8	25 - 35	N/A	N/A	10 mg/m ³	1 mg/m ³	STEL: 2 mg/m ³
ALKYLENE CARBONATE	108-32-7	0 - 1	N/A	N/A	N/A	TWA - 5 mg/m ³	N/A
BENTONE	68953-58-2	2 - 5	N/A	N/A	N/A	N/A	N/A
ZINC DITHIOCARBAMATE	15337-18-5	< 0.5	N/A	N/A	N/A	N/A	N/A

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	NONE KNOWN
ROUTES OF EXPOSURE	SIGNS and SYMPTOMS
EYES:	MAY CAUSE IRRITATION TO THE EYE(s)
INGESTION:	MAY CAUSE DIARRHEA
INHALATION:	VISCOUS NATURE MAY BLOCK BREATHING PASSAGES IF INHALED
SKIN:	MAY IRRITATE THE SKIN AFTER PROLONGED PERIODS OF CONTACT

4. FIRST AID MEASURES

ROUTES OF ENTRY	FIRST AID INSTRUCTIONS
EYE CONTACT:	REMOVE CONTACT LENS AND RINSE THE AFFECTED EYE IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION
INGESTION:	WASH OUT MOUTH IMMEDIATELY. SEEK MEDICAL ATTENTION IMMEDIATELY
INHALATION:	CLEAR AIR PASSAGES. IF RESPIRATORY DIFFICULTY CONTINUES, SEEK MEDICAL ATTENTION IMMEDIATELY
SKIN CONTACT:	WASH THOROUGHLY WITH HAND CLEANER, FOLLOWED BY SOAP AND WATER. ALL CONTAMINATED CLOTHING SHOULD BE DRY CLEANED BEFORE REUSE. IF REDNESS OR IRRITATION PERSISTS, SEEK MEDICAL ATTENTION

5. FIRE FIGHTING MEASURES

EXPLOSION DATA:	N/A
FLAMMABILITY:	LEL: 0.9 UEL: 7.0
EXTINGUISHING MEDIA:	FOAM, DRY POWDER, HALON®, CARBON DIOXIDE, SAND, EARTH AND WATER MIST
UNSUITABLE EXTINGUISHING MEDIA	WATER JET
FIRE FIGHTING:	FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS, IS RECOMMENDED.
FLASH POINT:	> 560° F (293° C)
HAZARDOUS COMBUSTION PRODUCTS:	N/A

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION:	WEAR NITRILE GLOVES & PROTECTIVE OVERALLS
CONTAINMENT PROCEDURES:	SCRAPE UP BULK. THEN WIPE UP REMAINDER WITH CLOTH AND PICK UP REMAINING RESIDUE WITH DIATOMACEOUS EARTH TO AVOID A WALKING HAZARD
NEUTRALIZING AGENT:	NONE
ENVIRONMENTAL PRECAUTIONS:	DO NOT ALLOW IT TO ENTER DRAINS
DISPOSAL:	DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE. CONTACT WASTE DISPOSAL COMPANY OR LOCAL AUTHORITY FOR ADVICE.
CONTAINER DISPOSAL:	PAIL WITHOUT PLASTIC LINER AND PLASTIC LINERS: DO NOT INCINERATE. CONTACT WASTE DISPOSAL COMPANY OR LOCAL AUTHORITY FOR ADVICE PAILS WITH PLASTIC LINER: PAIL CAN BE DISPOSED OF VIA STANDARD WASTE DISPOSAL SERVICES, RECYCLED OR REUSED.

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7. HANDLING and STORAGE

HANDLING PROCEDURES: NO SPECIAL HANDLING PRECAUTIONS NECESSARY
STORAGE PROCEDURES: DO NOT STORE AT ELEVATED TEMPERATURES

8. EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE CONTROLS: NONE REQUIRED
PERSONAL PROTECTION:
EYE PROTECTION: SAFETY GLASSES OR GOGGLES, IF APPLIED TO MOVING PARTS IN MOTION
HAND PROTECTION: PROTECTIVE GLOVES FOR HYPERSENSITIVE PERSONS
RESPIRATORY PROTECTION: NONE REQUIRED
SKIN PROTECTION: GLOVES, OVERALLS, APRON AND/OR LONG SLEEVES CLOTHING TO PROTECT THE SKIN
VENTILATION: NONE REQUIRED

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE:	SEMI-SOLID PASTE	AUTO-IGNITION TEMPERATURE:	> 680° F (360° C)
BOILING POINT:	> 700° F (370° C)	COLOR:	COPPER
DENSITY (lbs/gal):	N/A	EVAPORATION RATE (BUTYL ACETATE = 1):	< 0.01
FLAMMABILITY:	NOT FLAMMABLE AT AMBIENT TEMPERATURES	ODOR:	PETROLEUM
MELTING POINT:	N/A	PERCENT, VOLATILE BY WEIGHT (%):	N/A
PERCENT, SOLIDS BY WEIGHT (%):	N/A	PHYSICAL STATE:	SEMI-SOLID
PH:	N/A	SPECIFIC GRAVITY (H₂O = 1):	1.2
SOLUBILITY IN WATER @ 68° F (20° C):	NIL	VAPOR PRESSURE OF PRINCIPAL SOLVENT:	< 0.01
VAPOR DENSITY OF PRINCIPAL SOLVENT (AIR = 1):	> 5	VOC CONTENT (lbs / gal):	NIL
VISCOSITY:	N/A		

10. STABILITY and REACTIVITY

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS. NO PHOTOREACTIVE AGENTS.
CONDITIONS TO AVOID: POWERFUL SOURCE OF IGNITION AND EXTREME TEMPERATURES.
INCOMPATIBLE MATERIALS: STRONG INORGANIC AND ORGANIC ACIDS AND OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS: BURNING GENERATES SMOKE, AIRBORNE SOOT, HYDROCARBONS AND OXIDES OF CARBON. RESIDUE MAINLY COMPRISED OF SOOT AND METAL OXIDES
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:		ALLERGENS:	NONE KNOWN
ACUTE TOXICITY:	NOT KNOWN	IRRITANCY – SKIN:	VERY MILD
CHRONIC TOXICITY:	NONE KNOWN	EC CLASSIFICATION (67 /548 EEC):	NO
GENOTOXICITY:	NONE KNOWN	S PHRASES:	NONE APPLICABLE, AS KNOWN
EC ANNEX 1 CLASSIFICATION:	NOT APPLICABLE	SUB-ACUTE / SUB-CHRONIC TOXICITY:	NOT KNOWN
R PHRASES:	R22 – HARMFUL IF SWALLOWED	LD-50:	N/A
SKIN SENSITIZATION:	NOT KNOWN		
LC-50:	1.98 g/l, (mysidopsis bahia) BASED ON ASSESSMENT FROM RELATED PRODUCTS.		
CARCINOGENICITY:	NTP: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO		
	ACUTE: REDNESS AND IRRITATION OF THE SKIN. REPEATED SKIN CONTACT FOR PERSONS HYPERSENSITIVE TO PETROLEUM PRODUCTS CAN CAUSE REDNESS AND IRRITATION OF SKIN		
	CHRONIC: NONE KNOWN		

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12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION

POSSIBLE EFFECTS: MAY GENERATE OIL FACTIONS AND RELEASE COPPER THAT COULD ACT AS A MARINE POLLUTANT IN EXTREME CASES, BUT IS HIGHLY UNLIKELY.

BEHAVIOR: RELATIVELY WELL BEHAVED. BIOACCUMULATION POTENTIAL NIL.

ENVIRONMENTAL FATE: HIGHLY UNLIKELY TO CAUSE NOTABLE CONTAMINATION. HEAVIER THAN WATER.

13. DISPOSAL CONSIDERATION

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND DO NOT INCINERATE.

14. TRANSPORT INFORMATION

DEPARTMENT OF
TRANSPORTATION (DOT)

PROPER SHIPPING NAME: NOT REGULATED

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA: ALL COMPONENTS ARE INCLUDED IN THE EPA TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCES INVENTORY.

CLEAN AIR ACT: THE FOLLOWING COMPONENTS OF THIS PRODUCT ARE REGULATED AS HAPs: *NONE*

SARA TITLE III INFORMATION

SECTION 302: THERE ARE NO COMPONENTS OF THIS PRODUCT WITH KNOWN CAS NUMBERS WHICH ARE ON THE 40 CFR PART 355 APPENDIX A LIST OF EXTREMELY HAZARDOUS SUBSTANCES.

SECTION 311 / 312: REQUIRES EMERGENCY PLANNING BASED ON *THRESHOLD PLANNING QUANTITIES* (TPQs), AND RELEASE REPORTING BASED ON *REPORTABLE QUANTITIES* (RQs) OF HAZARDOUS MATERIALS LISTED IN SECTION 2:

SECTION 313: THIS PRODUCT CONTAINS CHEMICAL COMPONENTS SUBJECT TO SECTION 313 REPORTING:

CHEMICALS	CAS #
COPPER POWDER	7440-50-8

STATE REGULATIONS / RIGHT-TO-KNOW

**CALIFORNIA
PROPOSITION 65
INFORMATION:** THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE(S) KNOWN TO BE ON THE CA PROP. 65 LIST: *NONE*

INTERNATIONAL

**EC ANNEX 1
CLASSIFICATION:** NOT APPLICABLE – **R PHRASES:** R22 – HARMFUL IF SWALLOWED; **S PHRASES:** N/A

WHMIS (CANADA): THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED AS CONTROLLED SUBSTANCES:

CHEMICALS	CAS #
ALKYLENE CARBONATE	108-32-7

LABELS: CANADIAN LABEL CLASSIFICATION REQUIRED ON CONTAINER(S): *D2B*

16. OTHER INFORMATION

HAZARD RATING SYSTEM:

	HMIS	NFPA	KEY
HEALTH	1	1	4 = SEVERE
FLAMMABILITY	1	1	3 = SERIOUS
REACTIVITY	1	1	2 = MODERATE
			1 = SLIGHT
			0 = MINIMAL

REVISION SUMMARY 4

SUPERCEDES ISSUE DATE April 28, 2009

17. T&B CATALOG NUMBERS / PRODUCT NUMBERS

TO BE USED IF SECTION 1 DOES NOT HAVE SPACE TO LIST T&B CATALOG NUMBERS.

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