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

<table>
<thead>
<tr>
<th>Part #</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP8-TB</td>
<td>8 oz</td>
</tr>
</tbody>
</table>
**CP8-TB: Kopr-Shield**

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

### Notes

- Kopr-Shield Compound

### Certifications

- RoHS Compliance

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**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.

**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
CHEMTREC: 800-424-9300

CATALOG NUMBERS
CP8-TB, CP16, CP128, 201-31879, 201-31879-1

TELEPHONE NUMBER FOR INFORMATION
901-252-5000 ext. 8324

MANUFACTURER / SUPPLIER
THOMAS & BETTS CORPORATION

ADDRESS
8155 T & B BOULEVARD,
MEMPHIS, TENNESSEE 38125

DATE OF REVISION or PREPARATION
APRIL 27, 2012

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>CAS #</th>
<th>% BY WT</th>
<th>ACGIH TLV</th>
<th>ACGIH TLV-C</th>
<th>ACGIH STEL</th>
<th>OSHA PEL</th>
<th>OSHA STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PETROLEUM OIL</td>
<td>64742-57-0</td>
<td>60 - 68</td>
<td>N/A</td>
<td>N/A</td>
<td>10 mg/m³</td>
<td>OIL MIST</td>
<td>STEL:</td>
</tr>
<tr>
<td></td>
<td>64742-62-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COPPER POWDER</td>
<td>7440-50-8</td>
<td>25 - 35</td>
<td>N/A</td>
<td>N/A</td>
<td>10 mg/m³</td>
<td>1 mg/m³</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>ALKYLENE CARBONATE</td>
<td>108-32-7</td>
<td>0 - 1</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BENTONE</td>
<td>68953-58-2</td>
<td>2 - 5</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZINC DITHIOCARBAMATE</td>
<td>15337-18-5</td>
<td>&lt; 0.5</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: VISCUS NATURE MAY BLOCK BREATHING PASSAGES IF INHALED
SKIN: MAY IRRITATE THE SKIN AFTER PROLONGED PERIODS OF CONTACT

4. FIRST AID MEASURES

 ROUTES OF ENTRY
 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:
 LEI: 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 UPULK. 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.

New York
1-888-438-7761

Atlanta
1-866-901-0603

Plymouth
1-888-753-7446

Salem
1-888-880-9191

Los Angeles
1-888-776-1937

Dallas
1-888-809-5151
CP8-TB: Kopr-Shield

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
BOILING POINT: > 700° F (370° C)
DENSITY (lbs/gal): N/A
FLAMMABILITY: NOT FLAMMABLE AT AMBIENT TEMPERATURES
MELTING POINT: N/A
PERCENT, SOLIDS BY WEIGHT (%): N/A
PH: N/A
SOLUBILITY IN WATER @ 68° F (20° C): NIL
SPECIFIC GRAVITY (H2O = 1): 1.2
VAPOR DENSITY OF PRINCIPAL SOLVENT (AIR = 1): > 5
VOC CONTENT (lbs / gal): 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

ACUTE TOXICITY: NOT KNOWN
CHRONIC TOXICITY: NONE KNOWN
GENOTOXICITY: NONE KNOWN
ALLERGENS: NONE KNOWN
IRRITANCY - SKIN: VERY MILD
EC CLASSIFICATION (67/548 EEC): NO
S PHRASES: NONE APPLICABLE, AS KNOWN
SUB-ACUTE / SUB-CHRONIC TOXICITY: NOT KNOWN
LC-50: 1.98 g/l, (mysiodopsis bahia) BASED ON ASSESSMENT FROM RELATED PRODUCTS.
CARCINOGENICITY: N/A
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
CP8-TB: Kopr-Shield

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION

POSSIBLE EFFECTS: MAY GENERATE OIL FRACTIONS 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:

<table>
<thead>
<tr>
<th>CHEMICALS</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPPER POWDER</td>
<td>7440-50-8</td>
</tr>
</tbody>
</table>

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: WHMIS (CANADA):

R PHRASES: R22 – HARMFUL IF SWALLOWED; S PHRASES: N/A

LABELS: CANADIAN LABEL CLASSIFICATION REQUIRED ON CONTAINER(s): D2B

16. OTHER INFORMATION

HAZARD RATING SYSTEM:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>HMIS</th>
<th>NFPA</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>4   = SEVERE</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>1</td>
<td>1</td>
<td>3   = SERIOUS</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>1</td>
<td>1</td>
<td>2   = MODERATE</td>
</tr>
</tbody>
</table>

4 = SEVERE
3 = SERIOUS
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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