

# Material Data Safety Sheet

For Wire And Cable Products

## SECTION I - PRODUCT IDENTIFICATION

**Manufacturer:** Kalas Manufacturing Incorporated  
25 Main Street  
Denver, PA 17517

**Information Phone:** 717-336-5575  
**Emergency Phone:** 717-336-5575  
**Emergency Contact:** EH&S Department

**Product Family:** Coated Wire And Cable  
**Kalas Product Category:** TPE  
**Kalas Product Type:** Flex Cord, Trailer Cable, Welding Cable, Pump Cable

**Date Prepared:**  
5/18/00

## SECTION II - INGREDIENT INFORMATION

This product has been evaluated as a whole. All ingredients are either bound in a polymer matrix or contained in the core of the wire / cable product. The potential for hazardous exposure as shipped is minimal. However, some fumes may be released upon heating or during a fire, and the end-user must take the necessary precautions.

INGREDIENT	CAS#	%	ACGIH TLV	OSHA PEL
<b>CORE</b>				
Copper	7440508	99.6-100	Dust: 1.0 mg/m <sup>3</sup> Fume: 0.2 mg/m <sup>3</sup>	Dust 1.0 mg/m <sup>3</sup> Fume 0.1 mg/m <sup>3</sup>
<b>JACKET COMPOUND</b>				
Thermal Plastic Elastomer Resin	N/A	30-70	Respirable Dust: 5 mg/m <sup>3</sup>	Respirable Dust: 5 mg/m <sup>3</sup>
Lead Compounds *	7439921	<3	Dust: 0.05 mg/m <sup>3</sup>	Dust: 0.05 mg/m <sup>3</sup>
Antimony Compounds *	7440360	<1	Dust: 0.05 mg/m <sup>3</sup>	Dust: 0.05 mg/m <sup>3</sup>
Barium Compounds	7440393	<1	Dust: 0.05 mg/m <sup>3</sup>	Dust: 0.05 mg/m <sup>3</sup>
Zinc Compounds	N/A	<3	Dust: 5 mg/m <sup>3</sup>	Dust: 5 mg/m <sup>3</sup>
<b>COLOR CONCENTRATE</b>				
Carbon Black *	1333864	0-25	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>
Aluminum Silica	7429905	5-13	Respirable Dust: 5 mg/m <sup>3</sup>	Respirable Dust: 5 mg/m <sup>3</sup>
Lead Compounds *	N/A	8-42	Dust: 0.05 mg/m <sup>3</sup>	Dust: 0.05 mg/m <sup>3</sup>
Pigments	N/A	0-13		

\* This product contains bound ingredients that are currently outlined in California Proposition 65 (Safe Drinking Water And Toxic Enforcement Act Of 1986), list of known carcinogens and reproductive toxins.

## SECTION III - HEALTH HAZARD / FIRST AID DATA

**Primary Route of Exposure:** None known  
**Effects of Overexposure:** None known  
**Acute Hazard:** Irritant (high temperature)  
**Chronic Hazard:** If ingested see Section IX  
**Medical Condition Aggravated:** Existing respiratory disease  
**Thermal Processing or Fire:** Irritating gases / fumes maybe generated (use adequate ventilation)

**Skin:** None  
**Eyes:** None  
**Absorption:** None  
**Inhalation:** Remove to fresh air if irritated by product  
**Ingestion:** Do not eat or chew on cables / wire products

## SECTION IV - PHYSICAL DATA

**Appearance:** Solid - coated wire / cable with copper core  
**Odor:** Slight  
**pH:** N/A  
**Boiling Range:** N/A  
**Evaporation Range:** N/A

**Color:** Various  
**Vapor Density:** N/A  
**Specific Gravity:** >1  
**Weight Per Gallon:** N/A  
**% Volatile By Weight:** N/A

## SECTION V - REACTIVITY DATA

**Stability:** Stable  
**Hazardous Thermal Decomposition Products:** CO, CO<sub>2</sub> and HCL  
**Hazardous Polymerization:** None  
**Incompatibility:** None

## SECTION VI – SPILL OR LEAK PROCEDURES

**Spill Procedures:** None, material is in a solid form

**Waste Disposal Method:** In accordance with local, county, state, and federal regulations

**By Product Disposal:** Must be disposed of in accordance with applicable regulations

## SECTION VII - SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** SCBA in the event of a fire

**Protective Gloves:** No normally needed

**Eye Protection:** Not normally needed (safety glasses with side shield if stripping or altering jacket material on cable / wire)

**Ventilation:** Not needed unless thermally altering cable / wire jacket

## SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

**Flammability Class:** N/A

**Extinguishable Media:** Dry chemical, water, foam, carbon dioxide

**Fire Fighting Protection:** SCBA respirator / full PPE

**Unusual Fire and Explosion Hazards:** None

**Flash Point:** N/A

**LFL:** N/A

**UFL:** N/A

## SECTION IX – SPECIAL PRECAUTIONS

**Toxicological Information:**

Material in this product contain bound ingredients that are known to be a carcinogen by NTP, IARC and OSHA.

Lead - may cause reproductive damage, kidney damage, anemia, fatigue, or constipation

Antimony - may cause contact dermatitis (antimony measles)

**Ecological Information:**

If by-product material from cable / wire are released into water, it could impact the ecological environment.

## SECTION X – WASTE DISPOSAL

Dispose of cable / wire and by-product material in accordance with federal, state and local regulations.

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material should be classified as a hazardous waste (40 CFR 261.20 -24).

## SECTION XI – REGULATORY INFORMATION

**SARA Title III:** Section 302 None  
Section 311/312 (Tier II) None known  
Section 313 (Form R) See Section II

**DOT:** None

**OSHA:** Furnes from thermally treated above decomposition temperature of 400 F may be toxic, irritating and possibly corrosive.  
This material may have health effects, including carcinogenicity, which is dependent upon its composition.

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Additional information, including specific ingredient Material Safety Data Sheets (MSDS) for materials used in the production process may be obtained by contacting the Kalas Manufacturing Environmental, Health And Safety Department At (717) 336-5575.

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