

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: PE
Kalas Product Type: Cathodic Wire, Fence Wire, Irrigation Wire

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
CORE				
Copper	7440508	99.6-100	Dust: 1.0 mg/m3 Fume: 0.2 mg/m3	Dust 1.0 mg/m3 Fume 0.1 mg/m3
JACKET COMPOUND				
Ethene Homopolymer (polyethylene Resin)	9002884	50-60		
Carbon Black *	133864	0-20	Respirable Dust: 3 mg/m3 3.5 mg/m3	Respirable Dust: 5 mg/m3 3.5 mg/m3
COLOR CONCENTRATE				
Carbon Black *	1333864	0-25	3.5 mg/m3	3.5 mg/m3
Aluminum Silica	7429905	5-13	Respirable Dust: 5 mg/m3	Respirable Dust: 5 mg/m3
Lead Compounds *	7439921	8-42	Dust: 0.05 mg/m3	Dust: 0.05 mg/m3
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: Lead poisoning if ingested
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: Negligible odor
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 under normal conditions
Hazardous Thermal Decomposition Products: CO, CO₂, Aldehydes, Acetic Acid, Other organic Vapors
Hazardous Polymerization: None
Incompatibility: N/A

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, foam, carbon dioxide
Fire Fighting Protection: SCBA respirator, avoid eye contact with smoke
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

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 known
 Section 311/312 (Tier II) None known
 Section 313 (Form R) See Section II

DOT: None

OSHA: Fumes from thermally treated above decomposition temperature of 482 Deg. F may be toxic, irritating and possibly corrosive. This material may have health effects, including carcinogenicity, which is dependent upon its composition.

PREPARED BY: Brad A. Bowser, CPEA, RRPT

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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