

# *WIRE ROPE*

## **PROTECTIVE LUBRICANT**

During the manufacturing of wire rope individual wires are braided into a variety of rope sizes, which are then closed around a central core of wire, fiber or plastic. During the braiding and closing operations the wires are flooded with a protective lubricant to provide initial lubrication and protection against rust and corrosion.

The initial protective lubricant is not expected to last for the entire life of the rope. Therefore repeated field applications of a protective lubricant are essential.

If a wire rope is not properly lubricated and protected against corrosion the life of the rope will be drastically reduced because of excessive wear and rusting.

Enviro-Safe Chemicals offers a product to be applied to wire rope during manufacture as well as a field dressing. This outstandingly affective product will protect the wire rope against the corrosive action of water, brine and will provide the necessary lubricate to prevent wear thereby dramatically extending the useful life of the friction rope.

Many friction rope lubricants on the market today are formulated with inexpensive by products with little attention given to their ability to lubricate and protect against rusting. Enviro-Safe Chemicals offers this product to those who recognize the importance of using a quality friction rope protective lubricant during the manufacture and maintenance of friction ropes.

## **WRD OFFERS THE FOLLOWING ADVANTAGES**

- Penetrates to the core.
- Provides extreme pressure lubrication
- Protects against corrosive effects of water & brine
- Excellent low temperature flexibility
- Dry Film resists excessive dirt pick-up

# TECHNICAL DATA SHEET

## ENVIROSAFE CHEMICALS CANADA MATERIAL SAFETY DATA SHEET

### SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: WRD 230 PRODUCT IDENTIFICATION NUMBER (PIN)  
PRODUCT USE: Wire rope dressing  
MANUFACTURER'S NAME: Envirosafe Chemicals Canada  
ADDRESS: PO Box 1792 - 10011 Thatcher Avenue  
CITY: North Battleford PROVINCE: SK POSTAL CODE: S9A 3W8 TEL: 306-446-0505

### SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC OF INGREDIENT (SPECIFY SPECIES) TLV(ACGIH)
NOT A CONTROLLED PRODUCT (C.E.P.A.)				

### SECTION 3-PHYSICAL DATA

PHYSICAL STATE: Tacky liquid ODOUR AND APPEARANCE: Dark brown paste, petroleum odour ODOUR THRESHOLD (PPM): Not available

VAPOUR PRESSURE:<1 KPA at 38°C (mm Hg) VAPOUR DENSITY: Not available (AIR=1) EVAPORATION RATE: <0.1

BOILING POINT (°C)°F 325 to 615°C FREEZING POINT (°C): -24° CD97 pH: Not available

SPECIFIC GRAVITY: Not available COEFF. WATER/OIL DIST.: Not available

### SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: no IF YES UNDER WHICH CONDITION?

MEANS OF EXTINCTION: Use foam, dry chemical Or water spray to extinguish fire FLASHPOINT (°C) AND METHOD:°F None

UPPER FLAMMABLE LIMIT (% BY VOLUME):°C Not available LOWER FLAMMABLE LIMIT (% BY VOLUME):°C Not available

AUTOIGNITION TEMPERATURE (°C): HAZARDOUS COMBUSTION PRODUCTS: Smoke, Carbon monoxide, carbon dioxide, oxides of sulphur

EXPLOSION DATA SENSITIVITY TO IMPACT: None SENSITIVITY TO STATIC DISCHARGE: None

### SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Yes  
IF NO UNDER WHICH CONDITION?  
INCOMPATIBILITY WITH OTHER SUBSTANCES: Strong oxidizing agents  
REACTIVITY, AND UNDER WHAT CONDITIONS: None  
HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous polymerisation will not occur

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PRODUCT IDENTIFICATION: WRD 230

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## SECTION 6-TOXICOLOGICAL PROPERTIES

**ROUTE OF ENTRY:**

**SKIN:** SKIN ABSORPTION: X EYE CONTACT: X INHALATION: INGESTION: X

**EFFECTS OF ACUTE EXPOSURE TO PRODUCT:** Low toxicity may irritate skin

**EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:** Low toxicity

**EXPOSURE LIMITS:** None IRRITANCY OF PRODUCT: May cause skin & eye irritation

**SENSITIZATION OF PRODUCT:** None

**CARCINOGENICITY:** None

**TERATOGENICITY:** None REPRODUCTIVE TOXICITY: None

**MUTAGENICITY:** None SYNERGISTIC PRODUCTS: None

## SECTION 7-PREVENTIVE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:**

**GLOVES:** Chemical resistant gloves **RESPIRATOR:** Confined areas use **EYE:** Safety glasses

Approved respirators

**FOOTWEAR:** Adequate footwear

**CLOTHING:** N/A

**OTHER:** N/A

**ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS):** Provide mechanical Ventilation of confined spaces

**LEAK AND SPILL PRODUCE:** Contain spilled liquid with sand or earth. Prevent discharge.

**WASTE DISPOSAL:** Recover by pumping or scrape up using a suitable absorbent.

**HANDLING PROCEDURES AND EQUIPMENT:** Ensure disposal in compliance with government requirements and local disposal regulations

**STORAGE REQUIREMENTS:** Keep containers closed, store in cool, well-ventilated area.

**SPECIAL SHIPPING INFORMATION:** Place away from incompatible materials.

**EYE:** Flush with large amounts of water until irritation subsides; if irritation persists get medical attention.

**SKIN:**

**INHALATION:** In case of adverse exposure to vapours immediately remove victim from exposure

**INGESTION:** If swallowed, do not induce vomiting. Get prompt medical attention.

## SECTION 9-PREPARATION DATE OF MSDS

**PREPARED BY:** ENVIROSAFE TECHNICAL DEPT. **PHONE NUMBER:** 306-446-0505

WHILE THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE LISTED, ENVIROSAFE CHEMICALS CANADA MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE HEREON.

**PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE October 04, 2007**

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