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POLITREN M-3 A1

TOOL LUBRICANT

DESCRIPTION

Politren M-3 A1 is an oil lubricant used for lubrication of tools in continuous casting of aluminum tape, and wire rod.

Due to the complex of specially developed additives, Politren M-3 A1 features high antiwear properties and improves the quality of manufactured aluminum strip, and wire rod. Use of Politren M-3 A1 lubricant ensures when manufacturing a clean, flat, smooth surface free of cracks, laps, burrs, pin holes, shells, nicks and foreign matter.

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	POLITREN M-3 A1
Appearance	Light yellow to brown liquid
Kinematic viscosity @20°C, sSt, not less than	1,000
Density, g/cm ³ , @20°C, not more than	1.0
Flash point in sn open cup, °C, not less than	260

PERFORMANCE CHARACTERISTICS

- when applied to a separating surface it forms a lubricant layer with high anti-wear properties;
- due to the high thermal stability the product ensures effective manufacture of aluminum tape, and wire rod;
- improves the quality of manufactured tape, and wire rod;
- does not contain substances that cause metal corrosion;
- does not corrode tools or machine parts.

USE

POLITREN M-3 A1

- is supplied ready to use;
- it is a cost-effective tool lubricant which can be used in casting of aluminum tape and wire rod;
- can be applied to the tool with a brush, by watering, spraying, automatic feeding

SAFETY REQUIREMENTS, TOXICOLOGICAL PROPERTIES AND ENVIRONMENTAL PROTECTION

Politren M-3 A1 tool lubricant is a flammable liquid. In accordance with GOST 12.1.007-76 the product is classified in the lowest hazard class IV (low hazard chemical compounds).

When using the product in hot metal processing, the main components polluting the air in the working area are: mineral oil aerosol (MPC is 5 mg/m^3) and carbonic oxide (CO) (MPC is 20 mg/m^3).

The premises where the product is used shall be equipped with continuously operating supply and exhaust mechanical ventilation. Within the production facilities the air shall be monitored subject to the shop-floor air monitoring schedule agreed with the local public health authorities.

The personnel involved in handling the lubricant product shall wear protective clothing and use personal protective equipment in accordance with standard industry norms.

Use clean cloth to remove the lubricant from hands or face; wash the remaining product away with warm soapy water.

In case of ingress of the product onto working parts of the machinery, the floor of the machinery area shall be cleaned with rags, the remaining product shall be washed away with soapy water.

Politren M-3 A1 tool lubricant is a water-insoluble oil liquid. Its maximum permissible concentration in water bodies (MPC_w) determined for oil is 0.4 mg/l .