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POLITREN M-6 TOOL LUBRICANT

DESCRIPTION

Politren M-6 is an oil lubricant used for lubrication of molds when casting aluminum ingots.

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	POLITREN M-6
Appearance	Brown paste
Effective viscosity @40°C, Pa-s, not less than	0.6
Mass fraction of ash, %, not more than	0.5
Density, g/cm ³ , @20°C, not less than	0.9

USE

POLITREN M-6

- is supplied ready to use;
- it is a cost-effective lubricant for lubricating molds for casting aluminum ingots;
- it is applied to the tool with the help of an automatic lubrication system, roller or brush.

PERFORMANCE CHARACTERISTICS

- when applied to a separating surface it forms a lubricant layer with high antiwear properties;
- due to its high thermal stability, it is an ideal solution for the manufacture of aluminum ingots without additional lubrication of the mold;
- improves the quality of ingots;
- does not contain substances that cause metal corrosion;
- does not corrode tools or machine parts.

SAFETY REQUIREMENTS, TOXICOLOGICAL PROPERTIES AND ENVIRONMENTAL PROTECTION

Politren M-6 lubricant is a flammable paste with a flash point of not less than 270⁰C in an open cup. 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/m³) and carbonic oxide (CO) (MPC is 20 mg/m³).

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-6 tool lubricant is a water-insoluble oil paste. Its maximum permissible concentration in water bodies (MPC_w) determined for oil is 0.4 mg/l.