

TECHNICAL DATA SHEET

OEST COLOMETA ecoT 624

DESCRIPTION

Water-miscible coolant for metalworking on individually filled machine tools and central systems.

Good rinsing effect ensures safe chip removal, perfect cooling effect and clean machines and processing rooms.

- semi-synthetic
- very good emulsion stability
- free from boron, bactericides, fungicides, MEA and critical amines
- version of ecoT 623 with optimized pH-buffer

APPLICATION:

Universally suitable for demanding operations with defined cutting edges (turning, milling, drilling, deep drilling, threading, etc.) and grinding processes.

Universally applicable for ferrous, yellow- and light metals, especially for alloys that are sensitive to discoloration.

Materials

Cast iron	●
Steels	●
High-strength, stainless steels	●
Nickel alloys	●
Aluminium	●
Yellow metals	●
Titanium	●
Polymere, Composites	●
Glass, Ceramic	●
Carbide	○
Special alloys (Si, SMCo,...)	●

Machining Methods

Turning, milling, drilling	●
Deep hole drilling	●
Threading	●
Broaching	●
Gear hobbing	●
Sawing	●
Wire sawing	●
Surface-/cylindrical grinding	●
Centerless grinding	●
Form/profile grinding	●

● suitable ● Conditionally suitable ○ not recommended

TECHNICAL DATA SHEET

ADVANTAGES

Developed for use in highly demanding industrial segments in terms of material compatibility and process reliability, with a focus on automotive and aircraft manufacturers and their suppliers.

- very high cutting performance
- very good material compatibility

TECHNICAL DATA

Density at 15 °C	DIN 51757	0.99 g/cm ³
Viscosity at 20 °C	DIN 51562	165 mm ² /s
Corrosion protection	DIN 51360.2	5% rust free
pH at 5%		9,5

MIXING RECOMMENDATION

Easy to mix by automatic mixing device COLO MIX.

Manual mixing always by pouring concentrate into water (drinking quality) while stirring.

Refractometer-Factor	1,4
Recommended concentration	min. 5 % surface grinding 5-6 % machining 5-15 %

Water hardness range °dH

0	2-5	6-10	11-20	21-40	41-60
●	●	●	●	●	●

OCCUPATIONAL SAFETY AND ENVIRONMENT

Metalworking media can contain ingredients with potential hazards. The information on this can be found in the safety data sheet.

STORAGE:

Storage temperature + 5 °C ... + 35°C. Shelf life 12 months in the original container under suitable conditions.

Version 2024/10