

Technical Data Sheet

OPTIMA SOLUBLE CUTTING (MINERAL)

PRODUCT DESCRIPTION :

OPTIMA SOLUBLE CUTTING designed to help offer long service life, has low maintenance requirements and is suitable for a wide range of materials and operations. Offering the right balance between cooling and lubrication, OPTIMA SOLUBLE CUTTING Oils aims to deliver excellent tool life and surface finish, which can help reduce tool regrinding and component rejects.

APPLICATION :

OPTIMA SOLUBLE CUTTING oils recommended for multipurpose machining operations From boring, milling and tapping on a range of alloy and carbon steels to drilling, reaming and grinding on low carbon and alloy steels and non-ferrous metals, OPTIMA SOLUBLE CUTTING Oil can be used equally in individual machine tools or in centralized systems.

FEATURES & BENEFITS :

- Low maintenance and easy use help lift machining productivity.
- Offering a long service life.
- Minimize waste and enhance machine tool availability - especially at critical times.
- Low foaming tendencies, even under high-pressure conditions.

TYPICAL PERFORMANCE :

PARAMETERS	ASTM	UNIT	OPTIMA SOLUBLE CUTTING
Viscosity Grade			46
Kinematic Viscosity @ 104°F /40°C	D-7042	cSt	46
Corrosion	IP-25	-	0/1-1
Color	ASTM D-1500	-	3.5
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm3	0.885
Emulsion Stability (440ppm) - Oil	IP-263	ml	NIL
Emulsion Stability (440ppm) - Cream	IP-263	ml	NIL
Rust Prevention BreakPoint	IP-287	-	20:1
pH of Emulsion (20:1)	ASTM D-1287	-	9.3

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.