



MUXXOL S Cut Semisynth 7040

PRODUCT DESCRIPTION:

MUXXOL S Cut Semisynth 7040 is a premium semi synthetic water miscible metal working fluid with high oil content and specifically designed for Aluminium, its alloys, and other yellow metals. This product is designed to offer excellent lubricity and surface finish. This product provides excellent load bearing capacity which protects tool life along with superior surface finish and has very good bio resistant.

FEATURES AND ADVANTAGES:

- Readily emulsifies to form stable milky emulsion.
- Compatible with most aluminium, steel, and other yellow metals.
- Excellent flushing property and ensures cleanability.
- Good foam control, easy maintenance, and versatile use.

APPLICATIONS:

- Recommended for a wide range of machining operations.
- Typical recommendation: Grinding: 2-3%, General Machining: 5- 6 %, Drilling and milling: 6-8%.
- Best concentration for specific operations shall be determined during on-site trial in consultation with technical service person.

MIXING INSTRUCTION:

- Add oil into water (DM/DI) with constant stirring. Not the reverse.
 - Use clean and dedicated pump to transfer the material from barrel.
 - Remove tramp oil and top up the premixed emulsion.
 - Clean thoroughly and sterilize the coolant sump before every fresh charge of emulsion.
- Actual Concentration = (RI Factor X RF observed value)

TYPICAL SPECIFICATION:

PROPERTIES	TEST METHOD	TYPICAL VALUES
#Concentrate Appearance	VISUAL	Yellow to brown liquid
P ^H - 5% Emulsion in Water	VIHTM	9.1
*5% emulsion in DM water- Appearance	Visual	Milky emulsion
RI, Correction Factor	VIHTM	1.0
Corrosion Break point, %	IP287	3.0
Thermal Stability Test (0°C – 50°C)	VIHTM	Passes
Emulsion Stability @ 5% in 600 ppm Water	VIHTM	Passes

#- During storage product colour tends to change with no performance change.

*-During long service the emulsion appearance tends to change, which will not affect the intended performance for the period.

HANDLING AND STORAGE:

Handling: Use oil resistant gloves & wear safety goggles.

Storage: Store in a cool, dry, well-ventilated place and away from direct sunlight. Store away from all incompatible materials. Keep containers closed when not in use.

Shelf Life: One year from the date of manufacture, if the product is stored in the original container, unopened and dry, in a well-ventilated location.

Packing: MUXXOL S Cut Semisynth 7040 is available in 20 ltr and 50 ltr in Plastic containers and 210 ltr HDPE barrel.

- **India office (licensee)** : Plot No.S3 & S4, TSIC, Autonagar, Hyderabad – 500070.
- **Germany Office** : Muxx Oil GmbH, Frankenhauser Str. 15, 12249 Berlin, Germany.
- **Taiwan office** : Muxx Oil GmbH 3F, No.215, Zhongzheng Rd. Shulin Dist. New Taipei City, Taiwan.
- For further information please email us on info@muxx.in