

Tectyl Safe 38

Water-Glycol type Flame Retardant Hydraulic Fluid



| INTRODUCTION |

Tectyl Safe 38 is water glycol type fire-resistant hydraulic Oil that is manufactured using Thinker, Glycol, Water, gas/Liquid rust preventive additives, anti-wear additive, preventive, anti-foam additive, and so on.

Generally, Water glycol type fire-resistant hydraulic oil contains 35~45% of moisture, which brings about Incombustibility.

The mechanism of fire-resistance causes effect by evaporation of moisture that diminished oxygen density in the air.

| PHYSICAL PROPERTIES |

TEST ITEMS		RESULT	TEST METHOD
Specific Gravity (15/4°C)		1.08	ASTM D 1298
Viscosity (cSt, @40°C)		ISO VG 38	ASTM D 445
Viscosity Index		216	ASTM D 2270
Flame Retardant	Flash Point (°C)	None	ASTM D 92
	Fire Point (°C)	None	ASTM D 92
Color		Red	Appearance
Water		Approx. 40 wt. %	-
Rust Test		Pass	ASTM D 665A
Pour Point (°C)		Max. -45.0	ASTM D 97
PH		9.7	ASTM D 6423
Seal, Packing Compatibilities		NBR, Viton, Silicon, etc.	

- All data given in this Product Data Sheet are typical of this Product. It does not however constitute a specification.
- We reserve the right to modify products without prior notice.

| FLAME RETARDANT |

Type	Mineral Oil	Polyol Ester	Phosphate Ester	Tectyl Safe 38
Flash Point (°C)	150~270	290	240~290	No Flash
Auto ignition point (°C)	230~350	480	540	430
Pipe Cleaner test (number)	3	27	80	66
Hot Manifold test	explosive	Extinguishing after Outbreak of a fire		No Flash
Spraying fire test (require O ₂ %)	12~38	45~55		53~67

Hot Manifold test: This test is applied to MIL-F-7100 Fed 6053. You can check whether or not it ignites by dripping a sample on manifold tube that has reached at 374°C

Spraying Fire test: When spraying oil, the amount of oxygen needed to make the oil ignite is over 50%, and then it is fire-resistant.

| FEATURES |

- Fire resistant fluid - Minimize Fire Hazard
- Higher Viscosity Index & Lower pour point
- Lower operating temperature
- Wide operating temperature
- Great Shear Stability
- Increase Pump efficiency
- Easy to check oil leakage as Red Color
- Excellent lubricating performance
- Lower harmful to body and environment.

| PACKAGE & SAFETY |

- Tank/Lorry, Tote, Drum(200LT), Pail(20LT)
- For your safety, Refer to the Material Safety Date Sheet