



## Idemitsu Apollo (Thailand) Co., Ltd.

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# DAPHNE SUPER DRAW S SERIES

## High Performance Press Oil

### 1. General

**DAPHNE SUPER DRAW S Series** are high-performance press working oil formulated with hydro-treating base oil, blended with effectively extreme pressure and oiliness agent and various additives.

### 2. Application

**DAPHNE SUPER DRAW S Series** is a non-chlorine-based high-performance press working oil that can be used widely in the press working carbon steel plate, galvanized steel plate.

### 3. Characteristics

1. Environmental friendly due to non-chlorine type.
2. Anti-rust and prevent color of metal surface change.
3. Extend mold life due to high lubricity.

### 4. Typical Specification

			<u>S10</u>	<u>S30</u>	<u>S50</u>	<u>S120</u>	<u>S200</u>	<u>ASTM</u>
Density	@15°C	g/cm <sup>3</sup>	0.8536	0.8739	0.8834	0.9037	0.9257	D-1298
Color (ASTM)			L6.5	L7.0	L6.5	L7.5	D8.0	D-1500
Flash point	C.O.C.	°C	172	196	216	264	242	D-92
Viscosity	@ 40 °C	mm <sup>2</sup> /s	13.65	34.70	57.24	118.8	206.7	D-445
Acid Number		mgKOH/g	0.52	0.55	0.53	0.59	0.77	D-974
Saponification		mgKOH/g	37.0	37.0	37.5	38.0	38.5	-
Sulphur content	wt%		0.90	0.93	0.90	0.99	1.00	-
Copper corrosion	100°C x3HRs		4(4C)	4(4C)	4(4C)	4(4C)	4(4C)	D-130

### 5. Caution

1. If contact to skin should be wash out with soap. May it have affected to skin irritation.
2. Not recommended to use with alloy steel.

- Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provide in the Safety Data Sheet (SDS) are followed.
- SDS is available upon request through your sales contract office, or E-Mail : [order@apollothai.com](mailto:order@apollothai.com)
- Due to continual product research and development, the information contained herein is subject to change without notification.