



# TECHNICAL WHITE OILS

## (Technical Grade, USDA H-1)

The **Technical grade** is not as highly refined as the **pharmaceutical grade** (known as NSF or USP). Specifically if the white oil does not meet ALL of the criteria for the **pharmaceutical grade**, it must be downgraded to technical.

**Technical grade** applications are restricted to FDA 21 CFR 178.3620 (b). The largest marketplace for this product is as a dedusting oil for grains and animal feed. Another large use is as a lubricant for drawing, stamping, forming and rolling of aluminum foil used in food packaging. It is used as a lubricant for food containers and a plasticizer for rubber used in conveyors, hoses, rollers, etc. that are used in food plants.

The **Technical grade** may be used as a lubricant, cleaner and rust preventive for food machinery and other equipment such as butcher equipment where incidental food contact is possible.

### TYPICAL CHARACTERISTICS

Viscosity Grade (SUS)	500 Tech	350 Tech	240 Tech	210 Tech	180 Tech	110 Tech	85 Tech	70 Tech
ISO Viscosity Grade	100	68	46	NA	32	22	15	NA
Product Code	16421	14625		16407		16423	16408	16409
API Gravity 60/60°F (ASTM D-1295)	30.5	31.1	32.2	31.8	32.7	33.1	33.2	33.3
Specific Gravity	0.87	0.86	0.86	0.86	0.86	0.86	0.85	0.85
Viscosity (ASTM D-445):								
cSt @ 40°C	100	68	46	41	35	21.0	15.5	13
cSt @ 100°C	11	8.7	6.7	6.2	5.7	4.18	3.47	3.1
SUS @ 100°F	512	350	240	211	181	110	85	74
Pour Point (ASTM D-97)								
°F	15	20	15	15	15	10	10	0
(°C)	(-9)	(-7)	(-9)	(-9)	(-9)	(-12)	(-12)	(-18)
Flash Point (ASTM D-92)								
°F	496	475	450	442	435	412	308	387
(°C)	(258)	(246)	(232)	(228)	(224)	(211)	(203)	(197)
UV absorbance CFR 178.3620 (b)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
USDA H-1 Quality	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Saybolt Color	+22	+22	+23	+25	+25	+25	+25	+25

The above data is subject to usual manufacturing variation.  
For more information and availability, call 1-800-442-LUBE.  
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