



# Saw Blade Penetrant / Lubricant

**FIVE STAR**  
Superior Renewable Products

Penetrant ★ Lubricant ★ Cleaner & Degreaser ★ Protects Metals ★ 100% Biodegradable

## Blade Lubricant Technical Data Sheet



### DESCRIPTION:

5 Star is a **SUPERIOR Sawmill Blade Penetrating Lubricant**. Created from sustainable vegetable oils, 5 Star provides **superior performance**, allowing you to replace petroleum-based and water miscible products. 5 Star's formula will penetrate the asperities in a metal cutting blade, reducing friction and extending the life of the blade. 5 Star only requires a minimal drip-rate feed. No longer is it necessary to saturate your blade with a stream of lubricant. 5 Star's formula leaves a corrosion-resistant film, even after being washed away with water. The technology displaces water, providing protection against rust and water. 5 Star will help prevent saturated overburden and wet sawdust from clogging chutes.

**- 5 STAR -  
SUPERIOR PERFORMANCE  
- EXPECT IT! -**

### Available In

Container Volume	Item #
16 oz. Refillable Bottle	SB-16oz
1 Gallon Jug	SB-1gal
5 Gallon Jug	SB-5gal
55 Gallon Drum	SB-55gal
275 Gallon Tote	SB-275gal

### For Use In Various Applications

★ Band Saw Blade ★ Chain ★ Cables ★ Roller Guides ★ Bearings ★ Tracks

### Technical Properties

Property	Specification
Relative Density	0.880g/cc
Evaporation Rate	.002% in 48 hours
Metal & Elastomer Safety	Ph 5.9 - Safe
Pour Point	0° C
Operating Temperature	-5° F - 250° F

Property	Specification
Weight	7.344 lbs./gal
4 Ball Wear Test	D4172 .55mm
Flash Point	>266° F
Water Solubility	Insoluble

FOB - Barkeyville, PA



USDA  
CERTIFIED  
BIOBASED  
PRODUCT  
PRODUCT 96%

★ [www.5StarSuperiorProducts.com](http://www.5StarSuperiorProducts.com) ★ A 5 Star Superior Products, LLC Product



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## 5 Star Will Give You More Quality Cuts

### Why 5 Star is Superior

Performance	
Blade runs cooler, extends blade life	✓
Cleans blade and tools	✓
Leaves a nonstick protective film	✓
Safe on paint	✓
Insoluble, minimal evaporation	✓
Does not require water – Eliminates saturated overburden	✓
Helps prevent clogged chutes & housings	✓
Non-staining	✓
No offensive odor	✓
High flash point – 266°F	✓
Non-flammable in bulk form	✓
Made in U.S.A.	✓



### Why 5 Star is Safest

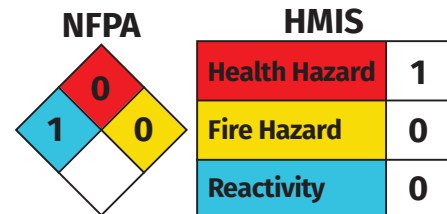
GHS Symbols and Their Meanings

5 Star	OTHER PRODUCTS			
 Can Be Harmful Don't Drink It	 Acute Toxicity Can Cause Death	 Corrosive Will Burn Skin	 Carcinogen Causes Cancer	 Aquatic Toxicity Kills Animals

- ★ Blade runs cooler
- ★ More cuts from each blade
- ★ Does not require water
- ★ Reduces roller bearing blade friction and noise
- ★ Helps prevent chutes from clogging
- ★ Prevents pitch and sawdust from freezing to blade
- ★ Keeps blade free of burnishment
- ★ Drip-feed – a little goes a long way
- ★ Protects tools and equipment from corrosion

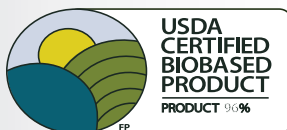
### Safety

USDA certified biobased	✓
Non-toxic	✓
No VOCs – 50 state compliant	✓
Contains no petroleum distillates	✓
Safe on skin	✓
Non-hazardous as defined by OSHA	✓
Meets CA Prop 65	✓
100% biodegradable	✓
NFPA/HMIS 1,0,0	✓



★ Provided By ★

**5 Star Superior Products**  
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★ [www.5StarSuperiorProducts.com](http://www.5StarSuperiorProducts.com) ★ A 5 Star Superior Products, LLC Product