

GEMINI COATINGS, INC.
P.O. BOX 699
EL RENO, OKLAHOMA 73036

CERTIFIED PRODUCT DATA SHEET

The component levels indicated below are as formulated and may vary slightly due to variations in production.

Product Number: 250E

Description: Lead Free Safety Orange Lacquer

Weight per Gallon: 7.76

Volatile Organic Compounds

Non-Volatile by Weight: 27.7482
 by Volume: 21.3620

672.5597 grams VOC/Liter
 5.6126 lbs VOC/Gallon

Volatile by Weight: 72.2518
 by Volume: 78.6380

Lbs of Haps / lbs of solids: .5390
 Lbs of Haps /gal: 1.1617

Water by Weight: 0
 by Volume: 0

C.A.S. Number	Solvent Description	Volatile Percents By Weight
110-19-0	Isobutyl Acetate	41.30%
68410-97-6	Petroleum Distillates	8.01%
78-93-3	→ Methyl Ethyl Ketone	7.47%
1330-20-7	→ Xylene	3.93%
108-65-6	Propylene Glycol Methyl Ether Acetate	5.01%
67-63-0	Isopropanol	3.00%
8052-41-3	Mineral Spirits	.07%
100-41-4	→ Ethyl Benzene	.94%
108-88-3	→ Toluene	.06%
95-63-6	1,2,4-Trimethylbenzene	.02%

nm

Issued 020702

These numbers are based on Total Formula Weight (TFW) and will not vary from the Material Safety Data Sheet (MSDS). To the best of our knowledge, the above technical data is true and accurate at the date of issuance, but is subject to change without prior notice.

~~ODOR?~~

WHAT IS THIS CALLED?
 (i.e. acrylic enamel)

~~OUR EQUIP ADEQUATE?~~

1.5-3 DFT

~~RECOATABLE~~

*** 20 3008 76101 ***

To: Mr. Gibson (Room 205)
From: Rob Driscoll
Master 69.

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CERTIFIED PRODUCT DATA SHEET

The component levels indicated below are as formulated and may vary slightly due to variations in production.

Product Number: PL250

Description: Lead Free Safety
Orange Lacquer

Weight per Gallon: 7.76

Volatile Organic Compounds

Non-Volatile by Weight: 27.7330
by Volume: 21.3640

672.605 grams VOC/Liter
5.613 lbs VOC/Gallon

Volatile by Weight: 72.2670
by Volume: 78.6360

Lbs of Haps / lbs of solids: .4686
Lbs of Haps / gal: 1.0073

Water by Weight: 0
by Volume: 0

C.A.S. Number	Solvent Description	Volatile Percents By Weight
78-93-3	Methyl Ethyl Ketone	9.74%
111-76-2	Ethylene Glycol Monobutyl Ether	.62%
1330-20-7	Xylene	5.13%
100-41-4	Ethyl Benzene	1.22%
108-88-3	Toluene	.07%
64742-95-6	Aromatic 100	3.01%

19.79%

nm
Issued 011200

These numbers are based on Total Solvent System (TSS) and will vary from the Material Safety Data Sheet (MSDS). To the best of our knowledge, the above technical data is true and accurate at the date of issuance, but is subject to change without prior notice.

80.21%
Pigment
Resin

GEMINI COATINGS, INC.
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405-262-5710

PRODUCT DATA SHEET

PRODUCT DATA:

Name of Product:	Lead Free Safety Orange Lacquer
Code:	250
Type:	Lacquer
End Use:	To prepare raw wood to finish
Substrate:	Wood
Preparation of Substrate:	Clean, dry, and free of oil

PHYSICAL DATA:

Viscosity:	20" #3 Zahn
Dry Time:	7 Minutes
Weight per Gallon:	7.75
Weight Solids:	27.73%
Volume Solids:	21.36%
Gloss:	85°+
VOC:	5.61 Lbs/Gal or 673 GM/L
Coverage (mil):	343 Sq. Ft.

APPLICATION DATA:

Method:	Airless and/or conventional spray
Reducer:	Lacquer thinner, #500 thinner (may be required for conventional spray)
Application Viscosity:	At package viscosity
Dry Schedule:	Air dry approximately, 7 minutes

NOTE: Prior to using this product please consult the Material Safety Data Sheet for possible hazards. The above information is only a starting point for this material and is subject to change as conditions warrant.

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(P) 800-262-5710 • (F) 405-262-9310

<http://www.gemini-coatings.com>

PIGMENTED LACQUERS

Code Numbers:

PL191	<i>White Gloss 80°</i>	PL209	<i>Flat White 25°</i>
PL206	<i>Black Gloss 85°</i>	PL192	<i>Flat Black 7°</i>
PL222	<i>Semi Gloss White 50°</i>		
S6003	<i>Semi Gloss Black 20°</i>		

Description: These super lacquer finishes provide enamel like results – full gloss, excellent durability and flexibility with a quick lacquer dry time. Excellent for both interior and exterior metal surfaces – farm implements, plant equipment, furniture, electric motors, etc. When used on interior wooden surfaces such as cabinets, furniture and decorative accessories, the results are tremendous for durability, washability and resistance to normal household chemicals.

Uses: All of the pigmented finishes with the exception of the semi glosses and flats, are full gloss finishes designed to be applied to wood or metal surfaces. Most of these finishes find an application as a decorative coating on sealed woodwork or on metal equipment or tools.

Product Advantages:

- AIM compliant
- May be used on wood or metal
- Ready-to-spray
- Durable
- Fast Drying

Technical Data:

	PL191	PL206	PL222	S6003	PL209	PL192
Weight Per Gallon:	8.56	7.61	8.58	7.89	8.60	7.88
Weight Solids:	41%	20%	41%	24%	41%	21%
Volume Solids:	28%	13%	28%	16%	28%	13%
Viscosity:	98KU	14" Zahn #3	98KU	66KU	98KU	76KU
VOC (lb/gal or g/L):	5.07	6.19	5.05	5.7	5.04	6.24
Theoretical Coverage:	350 sq. ft. per gallon at one mil dry film thickness.					
Dry Time:	Dust free in 10 minutes, light sand in 30 minutes. Recoat in 45 minutes. May be force dried up to 140°.					

These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing, as well as film thickness, may give different results on actual work, but they may be used for comparison.

To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice. Liability, if any, is limited to the replacement of an equivalent amount of new product or refund of the purchase price. This warranty specifically excludes labor or cost of labor.

Surface Preparation: *New Wood:* Surface must be free of grease, dirt and other contaminants and should be sanded to promote adhesion. Moisture content of wood should be 7-9%. *Old Wood:* Strip old finishes completely and remove all contaminants from the surface. Make sure the surface is dry, sand as required. Finish as new work. If cratering develops on old work, Fish Eye Remover, LX770, can be used in small amounts to remedy the problem if it is not severe. Metal surfaces must be free of oil. Use U824 or U261 metal lacquer sealers prior to application of a topcoat. U941 is an excellent sealer for raw wood surfaces.

Material Preparation: Pigmented Lacquers are ready to use as packaged. Mix or agitate thoroughly before use. Thinning is not recommended for airless application. If thinning is desired, use #500 Lacquer Thinner only. Blush Retarder, L61, may be added in small amounts if necessary in humid weather to prevent "blushing". **Use only industrial colorants formulated for use in lacquers.**

Application: Because of the short dry time, this series of finishes must be applied with professional spray equipment. A minimum of two coats over a lacquer sealer is recommended for most finish jobs. The temperature of the product will affect viscosity. All products are compounded to achieve the highest possible solids content that will allow proper spray atomization without the addition of costly chemical solvents. We do not recommend that the sealer be sprayed hot; however, all finish coat products can be sprayed hot (up to 125 degrees) with excellent results. Refer to spray equipment supplier's recommendations for fine lacquer atomizing spray gun air caps, and fluid needles. **Pigment is heavier than solvents and resins, and will settle to the bottom.**

Service Conditions: The color may change over time, depending upon temperature, length of exposure to sunlight, and oxidation of substrate.

Clean Up: Use #500 Lacquer Thinner to clean all equipment. Dispose of dirty solvent and cleaning rags in a safe and approved manner. Solvent or lacquer soaked rags should be stored in water filled closed containers prior to disposal.

Storage: Store in cool, dry areas in the original, sealed containers. Do not store around any source of flames or sparks. Spills should be cleaned up with non-sparking tools and inert absorbent materials.

DOT Classification: Flammable Liquid, Red Label, UN 1263.

CAUTION: THIS PRODUCT IS DESIGNED FOR PROFESSIONAL USE ONLY! DANGER! FLAMMABLE! VAPORS MAY CAUSE FLASH FIRE. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. INJURIOUS TO EYES. KEEP OUT OF THE REACH OF CHILDREN! BEFORE USING this product it is essential that the "Material Safety Data Sheet" describing the product as well as the "Product Label" be reviewed. If your company does not have such information or has any questions, contact the manufacturer.