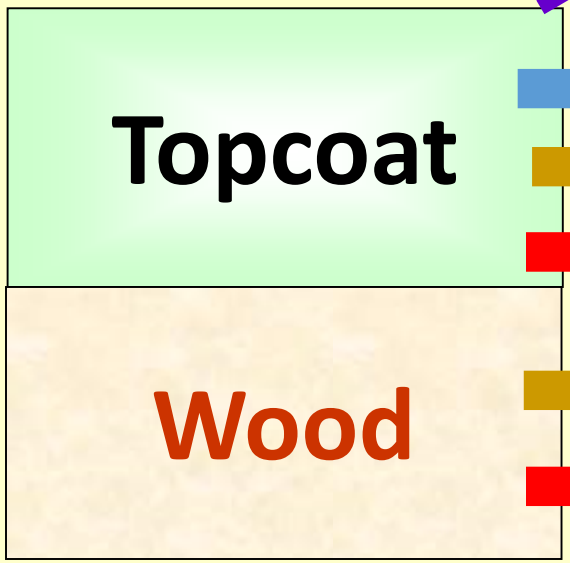
Total Solution of Wood (Veneer) Coating

Natural Wood

Wood wax oil?



EV- AQ Series

EV- SB Series for Lignin

EV- TA1 for tannic acid

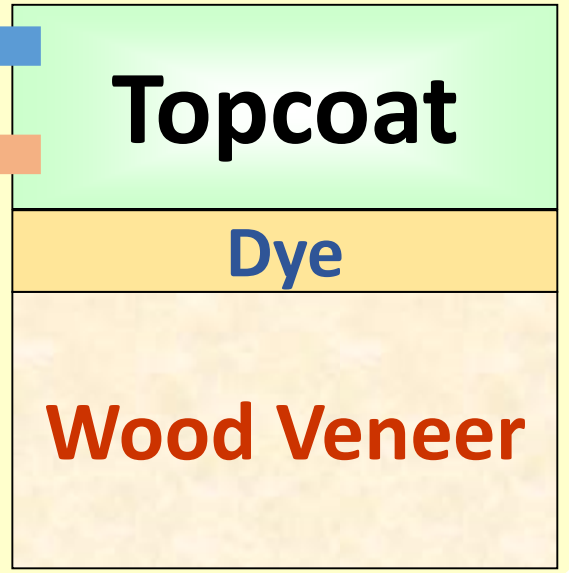
EV- SB Series for Lignin

EV- TA1 for tannic acid

Wood Veneer

EV-AQ6

EV-108



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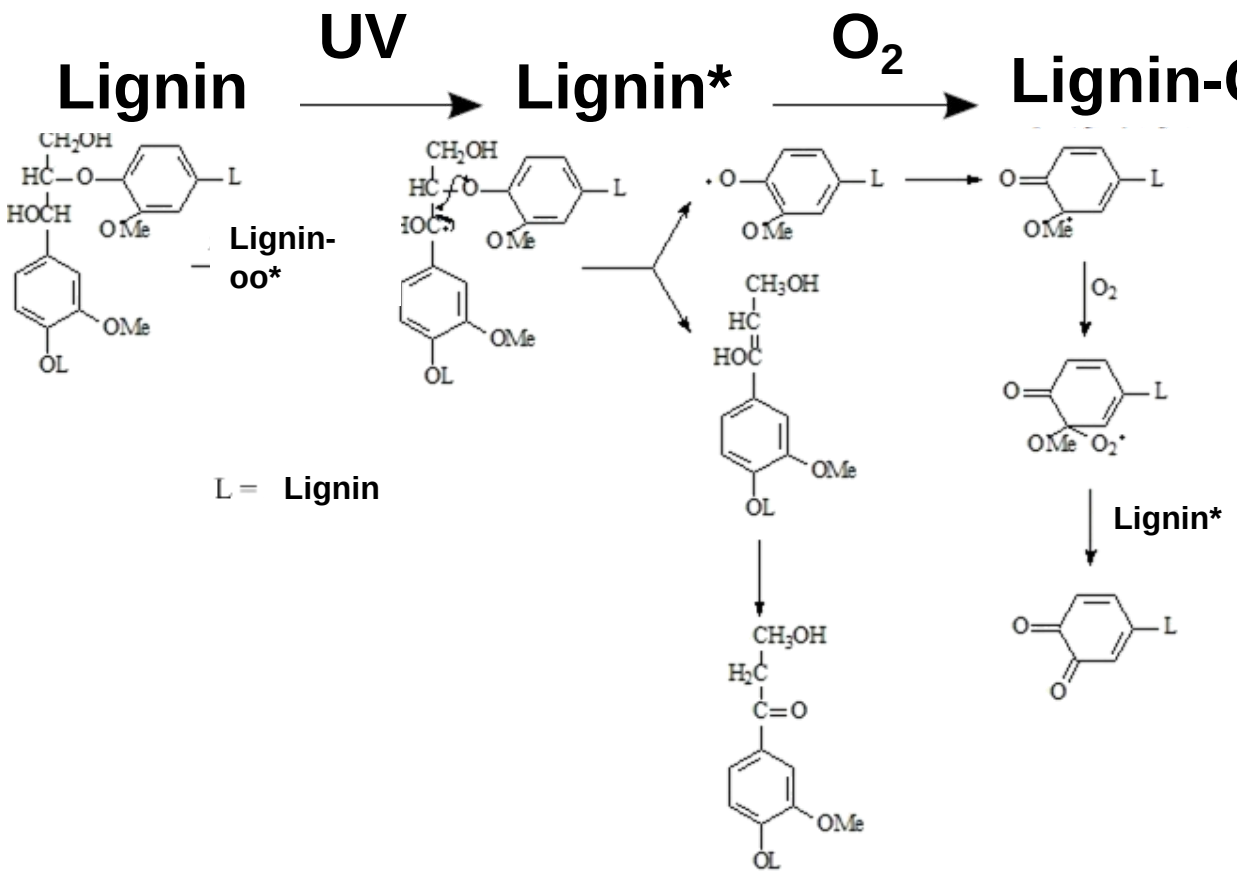
Degradation of Lignin



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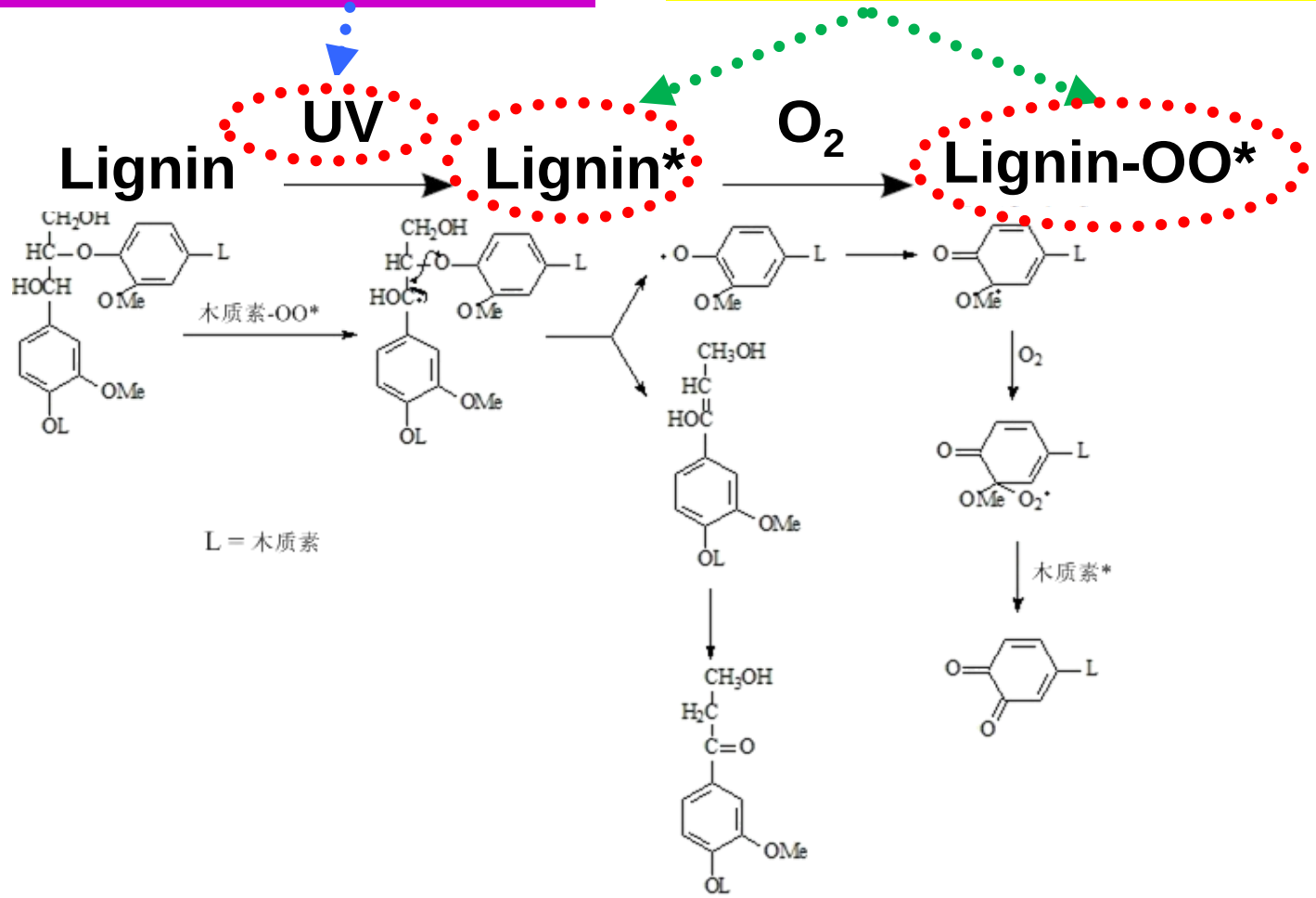
Total solution for Lignin

Eversorb AQ1
in Clear Coat

Wood Pretreament
Eversorb SB1



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Solution for Solving Tannic Acid and Improving Weathering

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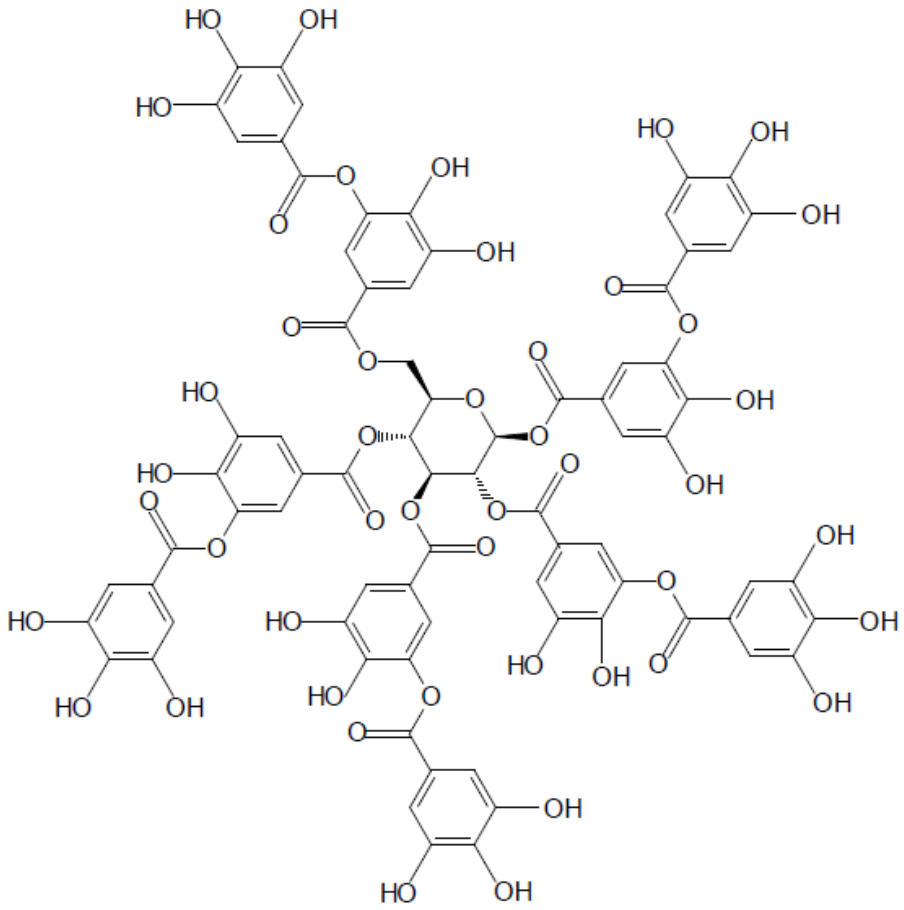
Chemical Structure of Tannic Acid



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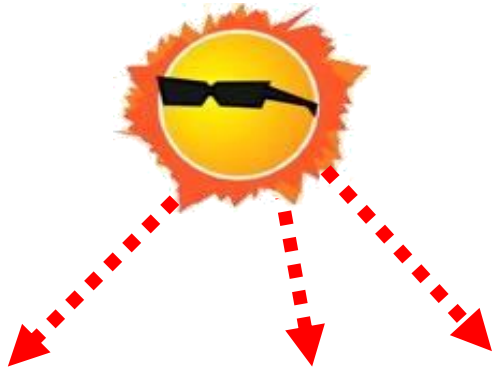
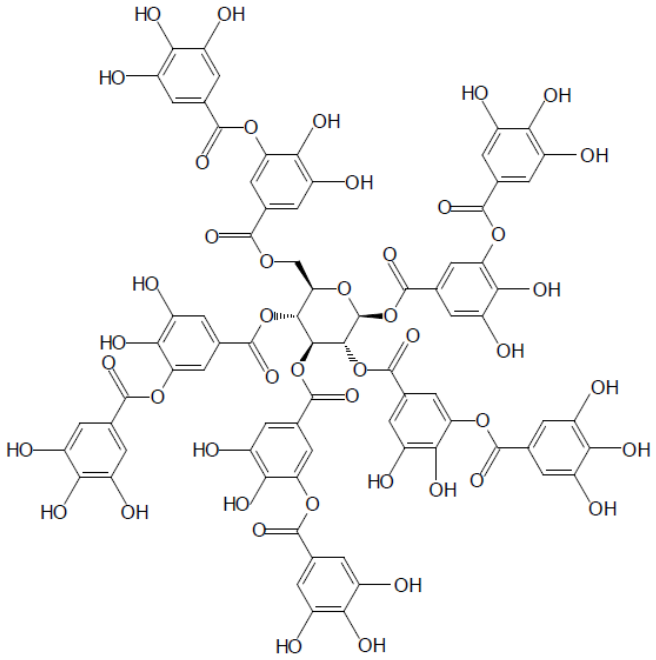
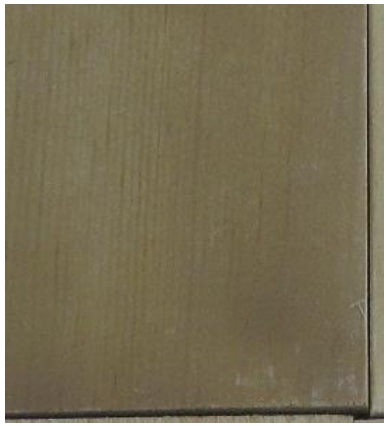
Tannic Acid Turned Dark after Exposing







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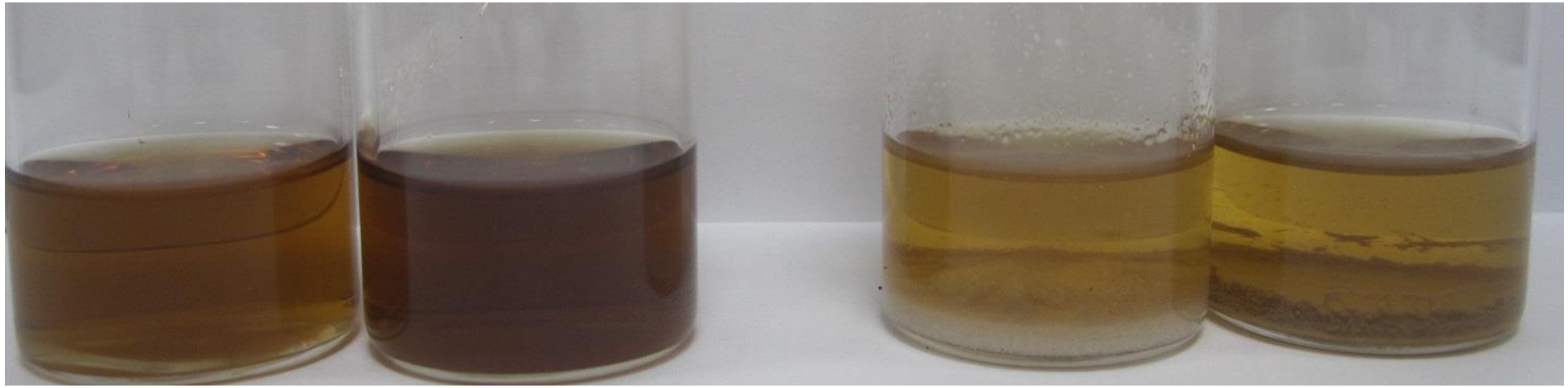
2% EV-TA1 mixed with 20% Tannic Acid

After exposing with UVA-340 light bulb for 8hrs

Before *After* *Before* *After*



33.3 82.2

(Iodine Color)

20% Tannic acid

18.3 19.2

(Iodine Color)

20% Tannic acid
+
2% TA1

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Process of using EV-TA1 in Acrylic Resin

*Pretreatment

20% Tannic acid

Spray X 3

Pretreatment

Next Step

Spray

Top Coat

3% TA1 in Acrylic Resin

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EV-TA1:

- Reducing effect of tannic acid for wood after exposing

3% EV-TA1 in top coat Exposure Unit : Q-U-V with UVA-340 light bulb

over 20% Tannic acid pretreatment ***(on Southern Pine)***

Only Top Coat

Top Coat /20% Tannic acid in the pretreatment

3% EV-TA1 in Top Coat/ 20% Tannic acid in the pretreatment

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Process of using EV-TA1 in IPA

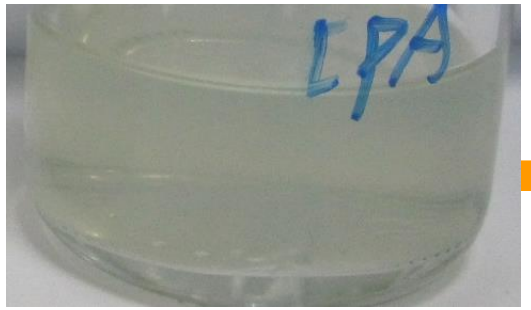
*Pretreatment

20% Tannic acid

Spray X 3

Pretreatment

Next Step



Spray

Pretreatment

3% EV-TA1 in IPA(Isopropyl alcohol)

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EV-TA1:

- Reducing effect of tannic acid for wood after exposing

3% EV-TA1 in IPA Exposure Unit : Q-U-V with UVA-340 light bulb

over 20% Tannic acid pretreatment (on Southern Pine)

20% Tannic acid in the pretreatment

3% EV-TA1 mixing with IPA /20% Tannic acid in the pretreatment

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Novel Heat Stabilizer (NLS) for Wood Wax Oil

Condition:
Heating at 100℃ for 5 hours

Initial Color **No additive** **1% NLS**

100℃ for 0 hours **100℃ for 5 hours**

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Ev-108- Enhanced Wood Wax Oil Performance after weathering

Exposure Unit :

Q-U-V with UVA-340 light bulb for 24 hours

Blank **1% EV-108**

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