

SAFETY DATA SHEET

PRODUCT NAME: SEAL-ONCE® ALL WOOD BRIGHTENER

DATE PREPARED: February 10, 2023

1. IDENTIFICATION

Identity (as used on label and listings): SEAL-ONCE® ALL WOOD BRIGHTENER

Chemical Family/Specific Type: Citric Acid Brightener

Recommended Use: Restoration of natural color of wood. Neutralization of cleaner residue

Manufacturer: U·C Coatings, LLC Telephone Number: 716-833-9366
2250 Fillmore Avenue Fax Number: 716-833-0120
Buffalo, NY 14214 U.S.A. Emergency Telephone No.: 716-833-9366

2. HAZARD(S) IDENTIFICATION

2.1 GHS Classification of the substance or mixture

Serious eye damage/eye irritation: Category 2A
Specific target organ toxicity – single exposure: Category 3 (respiratory system)

2.2 GHS Label elements

Hazard Pictogram:



Signal Word: Warning
Hazard statements: H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary Statements:

Prevention P280 Wear protective gloves/protective clothing/eye protection
P261 Avoid breathing dust
Response P305 + P351 +P338 If in eyes, rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do so. Continue rinsing.

Other hazards which do not result in classification

May form combustible dust concentrations in air (during processing)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Weak organic acid powder

<u>Substance:</u>		<u>CAS No.</u>	
Citric Acid		77-92-9	100%

4. FIRST AID MEASURES

After Eye Contact: Flush eyes immediately with large amounts of water, using soap if possible. Remove contact lenses if present and easy to do. If irritation continues, seek medical attention.

After Skin Contact: Wash with plenty of soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.

After Swallowing: Rinse mouth. Drink large amounts of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, seek medical attention.

Most important symptoms and effects, both acute and delayed: Irritant effects. Causes serious eye irritation. May cause respiratory irritation.

Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, dry chemical, carbon dioxide foam. Carbon dioxide.
Other Fire or Combustion Hazards: Exposure to decomposition products may be a hazard to health
Fire Fighting Instructions: Standard procedure for chemical fires. Avoid breathing smoke and vapor.
Fire Fighting Equipment: Self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear protective gloves and eye protection plus rubber boots when containing large spills.
Precautions: Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes.
Containment and Clean-up: Prevent further leakage if safe to do so.
 Sweep up excess material.
 Neutralize contaminated area with alkali solution.

7. HANDLING AND STORAGE

General: Keep containers closed to minimize absorption of atmospheric water.
Handling: Use normal precautions and protective equipment to avoid exposure to eyes and skin.
Storage: Keep in a dry place
Avoid: Strong bases and oxidizing agents, metals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Good ventilation in work area.
Hygiene: Do not eat or drink while using. Do not smoke while using. Wash hands before breaks and at the end of the workday.
Personal Protection: Eyes: safety glasses or splash goggles
 Hands: protective gloves
 If dust is formed, use a respirator with an approved filter
 Other: synthetic apron for cleanliness

9. PHYSICAL & CHEMICAL CHARACTERISTICS

<u>Physical State:</u>	Solid	<u>Odor:</u>	Odorless
<u>Appearance/Color:</u>	White crystalline powder	<u>Specific gravity:</u>	1.67 (20°C)
<u>Flash Point:</u>	Not applicable	<u>Solubility:</u>	1450 g/L (20°C)
<u>Melting point:</u>	153°C	<u>Auto ignition temp:</u>	Not Applicable
<u>Boiling Point:</u>	Decomposes below BP	<u>pH:</u>	1.8 (25°C, 5% solution)
<u>VOC:</u>	Not applicable	<u>Molecular weight:</u>	192.12 g/mol

10. STABILITY AND REACTIVITY

Reactivity: Non-reactive under normal temperatures and conditions.
Chemical Stability: Stable under normal temperatures and conditions.
Possibility of Hazardous Reactions: Under normal temperatures and conditions, hazardous reactions will not occur.
Conditions to Avoid: Avoid dust formation.
Incompatible Materials: Strong bases. Oxidizing agents.
Hazardous Decomposition Products: Under normal temperatures and conditions, hazardous decomposition products should not be produced. Burning may produce carbon monoxide and/or carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Not classified as acutely toxic based on available information.

Components

Citric acid

Acute oral toxicity LD50 Oral (Mouse): 5400 mg/kg. Method: OECD Test Guideline 401. Substance has no acute oral toxicity

Acute inhalation toxicity (Guinea pig) 75 mg/L. Exposure time 3 min. Test atmosphere: dust. Target organs: respiratory tract.
Symptoms: Cough

Acute dermal toxicity LD50 Dermal (Rat) >2000 mg/kg. The substance has no acute dermal toxicity

Skin Corrosion/Irritation

Not classified based on available information.

Components:

Citric acid

Species: Rabbit

Method: OECD Test Guideline 405

Result: No skin irritation.

Serious eye damage/Eye irritation

Causes serious eye irritation.

Components:

Citric acid

Species: Rabbit

Method: OECD Test Guideline 405

Result: Eye irritation.

Respiratory or skin sensitization

Not classified based on available information

Components:

Citric acid

Result: No known sensitizing effect

Germ cell mutagenicity

Not classified based on available information.

Components:

Citric acid

Genotoxicity in vitro: Test type: reverse mutation assay
Test system: Salmonella typhimurium
Concentration: 0 -5000µg/plate

Result: negative

Genotoxicity in vivo: Test type: Chromosomal aberration
Species: Rat
Cell type: Bone marrow
Application route: Oral
Dose: 0.3 mg/kg bw
Method: OECD Test Guideline 475
Result: Negative

Carcinogenicity

Not classified based on available information

Components:

Citric acid

Carcinogenicity assessment: Not classifiable as a human carcinogen

Reproductive toxicity

Not classified based on available information

Components:

Citric acid

Reproductive toxicity assessment: No toxicity to reproduction

STOT – single exposure

May cause respiratory irritation

Components:

Citric acid

Exposure route: Inhalation
Target organs: Respiratory tract
Assessment: The substance is classified as a specific target organ toxicant, single exposure, Category 3.

Repeated dose toxicity

Components:

Citric acid

Species: Rat
NOAEL: 4000 mg/kg
LOAEL: 8000 mg/kg
Application route: Oral
Exposure time: 10 days
Dose: 2,4,8,16 g/kg bw/day

12. ECOLOGICAL INFORMATION**Ecotoxicity****Components**

Citric acid

Fish: LC50 (Leuciscus idus (Golden orfe)): 440 mg/L. Exposure time: 48h. Method: OECD Test Guideline 203

Invertebrates: EC50 (Daphnia magna (Water flea)): 1535 mg/L. Exposure time: 24h. Method OECD Test Guideline 202

Plants: NOEC (Scenedesmus quadricauda (Green algae)): 425 mg/L. Exposure time: 8 days

Microorganisms: TT (Pseudomonas putida): > 10000 mg/L. Exposure time 16h.

Persistence and degradability**Components**

Citric acid

Biodegradability: Biodegradation 97%. Exposure time 28 days. Method: Test Guideline 301B. Readily biodegradable
 Biodegradation 100%. Exposure time 19 days. Method: Test Guideline 301E. Readily biodegradable
 Physico-chemical removability: Readily biodegradable.

Bioaccumulative potential**Components**

Citric acid

Bioaccumulation The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected

Partition coefficient (n-octanol/water) log Pow: -1.8 - -0.2

13. DISPOSAL CONSIDERATIONS**Waste from residues:** In accordance with local and federal regulations. Do not dispose of waste into sewer. Do not contaminate ponds, waterways, or ditches with chemical or used container. Send to a licensed waste management company.**Contaminated packaging:** Empty remaining contents. Do not reuse empty containers**14. TRANSPORTATION INFORMATION****International Regulations**

IATA-DGR: Not regulated as a dangerous good

IMDG-Code: Not regulated as a dangerous good

Transport in bulk according to IMO instruments: Not applicable for product as supplied

15. REGULATORY INFORMATION**Chemical Inventories**

The ingredients in this product are listed and active on the TSCA inventory.

Other inventories on which the ingredients are listed: MITI, AIIC, DSL, ENCS, ISHL, KECI, PICCS, IECSC, NZIoC, TSCI.

This product has been registered according to Regulation (EC) No. 1907/2006 (REACH).

SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313

SARA 311/312 Hazards

Acute Health Hazard

16. OTHER INFORMATION

This SDS was prepared February 10, 2023.