



SAFETY DATA SHEET

DISTRIBUTED BY:

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EMERGENCY TELEPHONE NUMBER:

Call CHEMTREC 800-424-9300

DATE: February 12, 2018

SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT NAME: Tip Top Teak Deck Brightener

MODEL NUMBER:

SECTION 2 – HAZARDS IDENTIFICATION

Label elements

Signal word Danger

Hazard statement Causes severe skin burns and eye damage. May cause respiratory irritation. Harmful if swallowed. Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Corrosive to metals.

Precautionary statements

Prevention Do not breathe mist or vapor. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash contaminated clothing before reuse.

Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive resistant container.

Disposal Dispose of contents/container in accordance with local/regional/national regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen chloride and possibly phosgene.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Phosphoric Acid (CAS 7664-38-2)

SECTION 4 – FIRST AID MEASURES

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. If respiratory irritation, dizziness, or unconsciousness occurs, seek immediate medical assistance. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact Take off immediately all contaminated clothing. Wash with soap and plenty of water for 15 minutes. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Ingestion Call a physician or poison control center immediately. Drink 1 or 2 glasses of water. Rinse mouth. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Probable mucosal damage may contraindicate the use of gastric lavage.



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Most important symptoms/effects, acute and delayed Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General Information Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical Contact with this product causes eye damage and skin burns.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions Move containers from fire area if you can do so without risk.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up This product is miscible in water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. For larger spills, neutralize with sodium carbonate or absorb on fire retardant material. Clean surface thoroughly to remove residual contamination.

Environmental precautions Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 7 – HANDLING AND STORAGE

Handling Never use with chlorine products. Can react to give chlorine gas. Never use or mix with other cleaners or chemicals. Do not use on any surface that can be damaged by acid materials. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Use care in handling/storage. For product usage instructions, please see the product label.

Storage Store in a cool, dry place out of direct sunlight. Store in corrosive resistant container. Keep container tightly closed. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8 – ACCIDENTAL RELEASE MEASURES

Phosphoric acid (CAS 7664-38-2): ACGIH TLV, 1 mg/m³; STEL 3 mg/m³; OSHA PEL 1 mg/m³

Biological limit values No biological exposure limits noted for the ingredients.

Appropriate engineering controls Use with adequate ventilation. Wear safety glasses with side shields, goggles or face shield. Wear protective gloves such as neoprene or latex. Keep away from food and drink.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.



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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state Liquid.

Color Blue.

Odor Acidic. Do not breathe in vapors.

pH < 1

Melting point/freezing point Not determined.

Boiling point Not determined.

Flash point None.

Evaporation rate Not determined.

Upper/lower flammability or explosive limits

Flammability limit – lower (%) Not available.

Flammability limit – upper (%) Not available.

Vapor pressure Not determined.

Vapor density Not determined.

Relative density 1.2

Solubility (water) Completely soluble.

Percent volatile Not determined.

Volatile Organic Compounds (VOC) Not determined.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity Reacts violently with strong alkalis. May react with reducing agents. Corrosive to metals.

Stability Stable under normal use conditions.

Hazardous reactions No dangerous reaction known under normal use conditions.

Conditions to avoid Do not mix with other chemicals.

Incompatible materials Chlorine. Ammonia. Alkalis. Strong oxidizing agents. Reducing agents. Metals. Amines.

Hazardous decomposition products Hydrogen chloride. Phosgene.

SECTION 11 – TOXICOLOGICAL INFORMATION

Phosphoric acid (CAS 7664-38-2): LD50 (oral, rat) 2740 mg/kg; LD50 (Dermal, rabbit) 119 mg/kg.

Inhalation May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact Causes severe skin burns.

Eye contact Causes serious eye damage.

Ingestion Causes digestive tract burns. Harmful if swallowed.

Symptoms Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

Acute toxicity In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Harmful if swallowed. May cause respiratory irritation.

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity Not expected to cause reproductive or developmental effects.

Specific target organ toxicity May cause respiratory irritation.

Aspiration hazard Not expected to be an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

SECTION 12 - ECOLOGICAL INFORMATION

Phosphoric acid (CAS 7664-38-2): LC50 (mosquito fish, 96 h): 138 mg/L

Undiluted this product may be toxic to aquatic life. Harmful to aquatic life with long lasting effects. Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. Long term ecological studies have not been determined for this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of waste from residues / unused products This material and its container must be disposed of as hazardous waste. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

Hazardous waste code D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel]

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.



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SECTION 14 – TRANSPORT INFORMATION

Quantity, 1 gallon or less:

PROPER SHIPPING NAME: Not regulated as dangerous good.

HAZARD CLASS: N/A

UN/NA NUMBER: N/A

PACKAGING GROUP: N/A

IATA: Not permitted for shipment by air.

IMDG: Obtain requirements from shipper/handler.

SECTION 15 - REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substances: Phosphoric Acid (CAS 7664-38-2).

CERCLA Hazardous Substances: Reportable quantity Phosphoric Acid (CAS 7664-38-2) 5000 LBS

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List None.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None.

Section 311/312 Hazard categories No.

SARA 302 Extremely hazardous substance

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd a). Phosphoric Acid (CAS 7664-38-2)

US. California CA Department of Justice (California Health and Safety Code Section 11100) Not listed

US. California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

SECTION 16 - OTHER INFORMATION

NFPA rating: Health = 3, Flammability = 0, Reactivity = 1, Other = 0).

The information contained in this Safety Data Sheet is furnished without warranty of any kind, expressed or implied. Information in this Data Sheet has been assembled by the manufacturer based on its own studies and on the work of others and is believed to be correct as of the date issued. However, no warranty of any kind is expressed or implied as to the accuracy, completeness, or adequacy of the information obtained herein. The Manufacturer shall not be liable, regardless of fault, to the vendee, the vendee's employees, or anyone for any direct, special or consequential damages arising out of, or in connection with, the accuracy, completeness, or adequacy of the information obtained herein. It is intended to assist in the normal safe usage of the product.