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| **1. Identification** |

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| **1.1. Product identifier** |

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| **Product Identity** | Teak Brite Brightener |  |
| **Alternate Names** | Teak Brightener, Teak Brite Brightener  Product Codes: 1087 |  |

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| **1.2. Relevant identified uses of the substance or mixture and uses advised against** |

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| **Intended use** | Teak wood color brightener and cleaner. |  |

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| **1.3. Details of the supplier of the safety data sheet** |

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| --- | --- |
| **Company Name** | Life Industries Corporation |
|  | 4060 Bridge View Drive |
|  | N. Charleston, SC 29405 |
| **Emergency** |  |
| **CHEMTREC (USA)** | (800) 424-9300 |
| **24 hour Emergency Telephone No.** | USA: 1-800-424-9300 Outside USA: +1-703-527-3887 |
| **Customer Service: Life Industries Corporation** | +1-843-566-1225 |

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| **2. Hazard(s) identification** |

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| **2.1. Classification of the substance or mixture** |

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| --- | --- |
| Skin Irrit. 2;H315 | Causes skin irritation. |
| Eye Irrit. 2;H319 | Causes serious eye irritation. |
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| **2.2. Label elements** |
| Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows. |
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| **Warning** |

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| H315 Causes skin irritation. |
| H319 Causes serious eye irritation. |

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| **[Prevention]:** |
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| P264 Wash thoroughly after handling. |
| P280 Wear protective gloves / eye protection / face protection. |
| **[Response]:** |
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| P302+352 IF ON SKIN: Wash with plenty of soap and water. |
| P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. |
| P321 Specific treatment (see information on this label). |
| P332+313 If skin irritation occurs: Get medical advice / attention. |
| P337+313 If eye irritation persists: Get medical advice / attention. |
| P362 Take off contaminated clothing and wash before reuse. |
| **[Storage]:** |
| No GHS storage statements |
| **[Disposal]:** |
| No GHS disposal statements |

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| **3. Composition/information on ingredients** |

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| This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. |

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| **Ingredient/Chemical Designations** | **Weight %** | **GHS Classification** | **Notes** |
| **Phosphoric acid    CAS Number:     0007664-38-2** | **10 - 25** | **Skin Corr. 1B;H314 (> 25%)** | **[1][2]** |

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| In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret. [1] Substance classified with a health or environmental hazard. [2] Substance with a workplace exposure limit. [3] PBT-substance or vPvB-substance. \*The full texts of the phrases are shown in Section 16. |

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| **4. First aid measures** |

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| **4.1. Description of first aid measures** |

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| **General** | In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. |
| **Inhalation** | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth. |
| **Eyes** | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention. |
| **Skin** | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. |
| **Ingestion** | If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. |

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| **4.2. Most important symptoms and effects, both acute and delayed** |

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| **Overview** | Eyes: Corrosive. May cause redness, pain, blurred vision, eye burns, and permanent eye damage.  Skin: Corrosive. May cause redness, pain, and skin burns.  Ingestion: Corrosive. May cause sore throat, abdominal pain, nausea, and severe burns of the mouth, throat, and stomach.  Inhalation: Inhalation is not an expected hazard unless misted or heated to high temperatures. Mist or vapor inhalation can cause irritation to the nose, throat, and upper respiratory tract. Severe exposures can lead to a chemical pneumonitis.  Acute Health Hazards: N/A  Chronic Health Hazards: No information found.  Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing skin disorders or eye problems, or impaired respiratory function may be more susceptible to the effects of the substance.  Phosphoric acid is a strong organic acid. Treat symptomatically and supportively.  See section 2 for further details. |
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| **Eyes** | Causes serious eye irritation. |
| **Skin** | Causes skin irritation. |
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| **5. Fire-fighting measures** |

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| **5.1. Extinguishing media** |

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| Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep fire exposed containers cool. If water is used, use in abundance to control heat and acid build-up. |

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| **5.2. Special hazards arising from the substance or mixture** |

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| Hazardous decomposition: Phosphorus oxides may form when heated to decomposition. |

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| **5.3. Advice for fire-fighters** |

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| In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. |

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| **ERG Guide No.** | 154 |

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| **6. Accidental release measures** |

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| **6.1. Personal precautions, protective equipment and emergency procedures** |

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| Put on appropriate personal protective equipment (see section 8). |

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| **6.2. Environmental precautions** |

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| Do not allow spills to enter drains or waterways. |
| Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. |

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| **6.3. Methods and material for containment and cleaning up** |

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| Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! |
| Neutralize residual product in the spill area using sodium carbonate or sodium bicarbonate. |

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| **7. Handling and storage** |

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| **7.1. Precautions for safe handling** |
| Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, incompatibilities, and direct sunlight. Corrosive to mild steel. |
| See section 2 for further details. - [Prevention]: |

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| **7.2. Conditions for safe storage, including any incompatibilities** |
| Do not store near chlorine-containing compounds. |
| Incompatible materials: Liberates explosive hydrogen gas when reacting with chlorides and stainless steel. Can react violently with sodium tetrahydroborate. Exothermic reactions with aldehydes, amines, amides, alcohols and glycols, azo-compounds, carbamates, esters, caustics, phenols and cresols, ketones, organophosphates, epoxides, explosives, combustible materials, unsaturated halides, and organic peroxides. phosphoric acid forms flammable gases with sulfides, mercaptans, cyanides and aldehydes. It also forms toxic fumes with cyanides, sulfide, fluorides, organic peroxides, and halogenated organics. Mixtures with nitromethane are explosive. |
| Store away from oxidizers and alkalines. |
| See section 2 for further details. - [Storage]: |

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| **7.3. Specific end use(s)** |
| No data available. |

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| **8. Exposure controls and personal protection** |

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| **8.1. Control parameters** |
| **Exposure** |

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| **CAS No.** | **Ingredient** | **Source** | **Value** |
| 0007664-38-2 | Phosphoric acid | OSHA | TWA 1 mg/m3 |
| ACGIH | TWA: 1 mg/m3STEL: 3 mg/m3 |
| NIOSH | TWA 1 mg/m3 ST 3 mg/m3 |
| Supplier | No Established Limit |

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| **Carcinogen Data** |

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| --- | --- | --- | --- |
| **CAS No.** | **Ingredient** | **Source** | **Value** |
| 0007664-38-2 | Phosphoric acid | OSHA | Select Carcinogen: No |
| NTP | Known: No;  Suspected: No |
| IARC | Group 1: No;  Group 2a: No;  Group 2b: No;  Group 3: No;  Group 4: No; |

|  |  |
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| **8.2. Exposure controls** |  |
| **Respiratory** | If the exposure limit is exceeded, a full facepiece respirator with high efficiency dust/mist filter may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres. |
| **Eyes** | Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area. |
| **Skin** | Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact. Use neoprene or rubber gloves or PVC.. |
| **Engineering Controls** | Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn. |
| **Other Work Practices** | An eyewash fountain should be located in areas where the product is used. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. |

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| See section 2 for further details. - [Prevention]: |

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| **9. Physical and chemical properties** |

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| **Appearance** | Clear Liquid |  |
| **Odor** | Odorless |  |
| **Odor threshold** | Not Measured |  |
| **pH** | Not Measured |  |
| **Melting point / freezing point** | 1F (-17C) |  |
| **Initial boiling point and boiling range** | 316F (158C) |  |
| **Flash Point** | Not Measured |  |
| **Evaporation rate (Ether = 1)** | Not Measured |  |
| **Flammability (solid, gas)** | Not Applicable |  |
| **Upper/lower flammability or explosive limits** | **Lower Explosive Limit:** Not Measured |  |
|  | **Upper Explosive Limit:** Not Measured |  |
| **Vapor pressure (Pa)** | 2 hPa @ 20C |  |
| **Vapor Density** | 3.4 |  |
| **Specific Gravity** | 1.685 @ STP |  |
| **Solubility in Water** | Complete |  |
| **Partition coefficient n-octanol/water (Log Kow)** | Not Measured |  |
| **Auto-ignition temperature** | Not Measured |  |
| **Decomposition temperature** | Not Measured |  |
| **Viscosity (cSt)** | Not Measured |  |
| **% Volatile** | 100% |  |

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| **9.2. Other information** |
| California CARB Product Category: Wood Cleaner <4.0% VOC W/W |

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| **10. Stability and reactivity** |

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| **10.1. Reactivity** |
| Hazardous Polymerization will not occur. |
| **10.2. Chemical stability** |
| Stable under normal circumstances. |
| **10.3. Possibility of hazardous reactions** |
| No data available. |
| **10.4. Conditions to avoid** |
| High temperatures, flames, and incompatibles. |
| Do not store near chlorine-containing compounds. |
| **10.5. Incompatible materials** |
| Liberates explosive hydrogen gas when reacting with chlorides and stainless steel. Can react violently with sodium tetrahydroborate. Exothermic reactions with aldehydes, amines, amides, alcohols and glycols, azo-compounds, carbamates, esters, caustics, phenols and cresols, ketones, organophosphates, epoxides, explosives, combustible materials, unsaturated halides, and organic peroxides. phosphoric acid forms flammable gases with sulfides, mercaptans, cyanides and aldehydes. It also forms toxic fumes with cyanides, sulfide, fluorides, organic peroxides, and halogenated organics. Mixtures with nitromethane are explosive. |
| **10.6. Hazardous decomposition products** |
| Phosphorus oxides may form when heated to decomposition. |

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| **11. Toxicological information** |

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| **Acute toxicity** |
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| --- | --- | --- | --- | --- | --- |
| **Ingredient** | **Oral LD50,  mg/kg** | **Skin LD50,  mg/kg** | **Inhalation  Vapor LC50,  mg/L/4hr** | **Inhalation Dust/Mist LC50,  mg/L/4hr** | **Inhalation Gas LC50,  ppm** |
| Phosphoric acid - (7664-38-2) | No data available | No data available | No data available | No data available | No data available |

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| Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate). |

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| --- | --- | --- |
| **Classification** | **Category** | **Hazard Description** |
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | 2 | Causes skin irritation. |
| Serious eye damage/irritation | 2 | Causes serious eye irritation. |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

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| **12. Ecological information** |

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| **12.1. Toxicity** |
| No additional information provided for this product. See Section 3 for chemical specific data. |
| **Aquatic Ecotoxicity** |
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| --- | --- | --- | --- |
| **Ingredient** | **96 hr LC50 fish,  mg/l** | **48 hr EC50 crustacea,  mg/l** | **ErC50 algae,  mg/l** |
| Phosphoric acid - (7664-38-2) | Not Available | Not Available | Not Available |

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| **12.2. Persistence and degradability** |
| There is no data available on the preparation itself. |
| **12.3. Bioaccumulative potential** |
| Not Measured |
| **12.4. Mobility in soil** |
| No data available. |
| **12.5. Results of PBT and vPvB assessment** |
| This product contains no PBT/vPvB chemicals. |
| **12.6. Other adverse effects** |
| No data available. |

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| **13. Disposal considerations** |

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| **13.1. Waste treatment methods** |
| Observe all federal, state and local regulations when disposing of this substance. |

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| **14. Transport information** |

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|  | **DOT (Domestic Surface Transportation)** | **IMO / IMDG (Ocean Transportation)** | **ICAO/IATA** |
| **14.1. UN number** | Not Applicable | Not Regulated | Not Regulated |
| **14.2. UN proper shipping name** | Not Regulated | Not Regulated | Not Regulated |
| **14.3. Transport hazard class(es)** | **DOT Hazard Class:** Not Applicable | **IMDG:** Not Applicable **Sub Class:** Not Applicable | **Air Class:** Not Applicable |
| **14.4. Packing group** | Not Applicable | Not Applicable | Not Applicable |

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| **14.5. Environmental hazards** |

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| **IMDG** | Marine Pollutant: No |
| **14.6. Special precautions for user** | |
|  | No further information |

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| **15. Regulatory information** |

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| **Regulatory Overview** | The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. |
| **Toxic Substance Control Act ( TSCA)** | All components of this material are either listed or exempt from listing on the TSCA Inventory. |
| **WHMIS Classification** | D2B  E |

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| **US EPA Tier II Hazards** | **Fire:** | No |
|  | **Sudden Release of Pressure:** | No |
|  | **Reactive:** | No |
|  | **Immediate (Acute):** | Yes |
|  | **Delayed (Chronic):** | No |

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| **EPCRA 311/312 Chemicals and RQs (lbs):** |

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|  | Phosphoric acid     ( 5,000.00) |

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| **EPCRA 302 Extremely Hazardous:**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| **EPCRA 313 Toxic Chemicals:**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| **Proposition 65 - Carcinogens (>0.0%):**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| **Proposition 65 - Developmental Toxins (>0.0%):**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| **Proposition 65 - Female Repro Toxins (>0.0%):**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| **Proposition 65 - Male Repro Toxins (>0.0%):**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| **New Jersey RTK Substances (>1%):** |

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|  | Phosphoric acid |

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| **Pennsylvania RTK Substances (>1%):** |

|  |  |
| --- | --- |
|  | Phosphoric acid |

**California CARB Product Category:**

Wood Cleaner <4.0% VOC W/W

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| **16. Other information** |

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| The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders. |

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| The full text of the phrases appearing in section 3 is: |

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| H314 Causes severe skin burns and eye damage. |

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| **This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.** |

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| DISCLAIMER: The information and recommendations contained herein are based upon data believed to be correct. Life Industries Corporation assumes no liability for misinterpretation of the data contained within this form as any type of warranty or guarantee of the product. |

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| End of Document |