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| --- |
| **1. Identification of the substance/mixture and of the company/undertaking** |

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| --- |
| **1.1. Product identifier** |

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| --- | --- | --- |
| **Product Identity** | Phoenix Solo |  |
| **Alternate Names** | Cleaner/Degreaser Concentrate, Phoenix Solo |  |

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

|  |  |  |
| --- | --- | --- |
| **Intended use** | Cleaner/Degreaser Concentrate |  |
| **Application Method** | See Technical Data Sheet. |  |

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

|  |  |
| --- | --- |
| **Company Name** | Phoenix Floor Care |
|  | 850 Boston Street SE |
|  | Grand Rapids, MI 49507 |
| **Emergency** |  |
| **CHEMTREC (USA)** | (800) 424-9300 |
| **Customer Service: Phoenix Floor Care** | 616-698-9240 (Phone) 616-698-9243 (Fax) |

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| **2. Hazard identification of the product** |

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

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| Eye Dam. 1;H318 | Causes serious eye damage. |
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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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| **Danger** |

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| H318 Causes serious eye damage. |

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| **[Prevention]:** |
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| P280 Wear protective gloves / eye protection / face protection. |
| **[Response]:** |
|  |
| P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. |
| P310 Immediately call a POISON CENTER or doctor / physician. |
| **[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** |
| **Tetrasodium EDTA    CAS Number:     0000064-02-8** | **1.0 - 10** | **Acute Tox. 4;H302  Eye Dam. 1;H318** | **[1]** |
| **ethoxylated propoxylated Alcohols    CAS Number:     0068603-25-8** | **1.0 - 10** |  | **[1]** |

|  |
| --- |
| [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. If breathing is difficult, have qualified medical personnel administer oxygen. |
| **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 obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. Dilute by drinking water. |

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

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| **Overview** | Primary Routes of Exposure: Eye, skin, oral. Signs and Symptoms of Overexposure (Acute): Prolonged or repeated contact of concentrated product will eyes will cause irritation or reddening. May cause skin irritation with some individuals. Ingestion may cause nausea, vomiting, diarrhea or irritation. Signs and Symptoms of Overexposure (Chronic): None currently known. Medical Conditions Aggravated by Overexposure: None currently known. Carcinogen or Suspect Carcinogen Ingredients: None. See section 2 for further details. |
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| **Eyes** | Causes serious eye damage. |
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| **5. Fire-fighting measures** |

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| **5.1. Extinguishing media** |

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| Recommended extinguishing media; alcohol resistant foam, CO2, powder, water spray. Do not use; water jet. |

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

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| Hazardous decomposition: Combustion products include carbon dioxide and carbon monoxide. |

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

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| Do not enter confined fire-spaces without protective clothing and self-contained air supply. |

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| **ERG Guide No.** | ---- |

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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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| Steps to be taken if released or spilled: Do not touch or walk through spilled material. Stop leak if you can do it without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbent and reclaim into containers for reuse, recycle or proper disposal.  Waste Disposal Methods: Dispose of in an approved waste facility according to Federal, State and Local regulations. |

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| **7. Handling and storage** |

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| **7.1. Precautions for safe handling** |
| No special requirements if product is handled according to good manufacturing practices.  Keep container closed when not in use.  Do not freeze. |
| See section 2 for further details. - [Prevention]: |

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| **7.2. Conditions for safe storage, including any incompatibilities** |
| Handle containers carefully to prevent damage and spillage. |
| Incompatible materials: Strong acids/oxidizers. Do not mix with chlorinated detergents (bleach). |
| See section 2 for further details. - [Storage]: |

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| **7.3. Specific end use(s)** |
| The Health hazards given on this Material Safety Data sheet Apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use. |

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

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

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| --- | --- | --- | --- |
| **CAS No.** | **Ingredient** | **Source** | **Value** |
| 0000064-02-8 | Tetrasodium EDTA | OSHA | No Established Limit |
| ACGIH | No Established Limit |
| NIOSH | No Established Limit |
| Supplier | No Established Limit |
| 0068603-25-8 | ethoxylated propoxylated Alcohols | OSHA | No Established Limit |
| ACGIH | No Established Limit |
| NIOSH | No Established Limit |
| Supplier | No Established Limit |

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| **Carcinogen Data** |

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| --- | --- | --- | --- |
| **CAS No.** | **Ingredient** | **Source** | **Value** |
| 0000064-02-8 | Tetrasodium EDTA | 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; |
| 0068603-25-8 | ethoxylated propoxylated Alcohols | 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; |

|  |  |
| --- | --- |
| **8.2. Exposure controls** |  |
| **Respiratory** | Not required under normal use conditions. Avoid breathing spray mists. |
| **Eyes** | Safety glasses or chemical goggles should be worn. |
| **Skin** | Wear overalls to keep skin contact to a minimum. PVC or rubber gloves recommended. |
| **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** | 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** | Aqua Liquid |  |
| **Odor** | Pleasant |  |
| **Odor threshold** | Not Measured |  |
| **pH** | 10 +/- 0.5 |  |
| **Melting point / freezing point** | NA |  |
| **Initial boiling point and boiling range** | 212 F |  |
| **Flash Point** | None to Boiling |  |
| **Evaporation rate (Ether = 1)** | (vs. H2O) About the Same |  |
| **Flammability (solid, gas)** | Not Applicable |  |
| **Upper/lower flammability or explosive limits** | **Lower Explosive Limit:** NA |  |
|  | **Upper Explosive Limit:** NA |  |
| **Vapor pressure (Pa)** | (mm Hg) Not Determined |  |
| **Vapor Density** | (Air=1) Not Determined |  |
| **Specific Gravity** | (H2O=1.0) 1.042 +/- 0.005 |  |
| **Solubility in Water** | Not Measured |  |
| **Partition coefficient n-octanol/water (Log Kow)** | Not Measured |  |
| **Auto-ignition temperature** | NA |  |
| **Decomposition temperature** | NA |  |
| **Viscosity (cSt)** | NA |  |
| **VOC %** | NA |  |

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| **9.2. Other information** |
| No other relevant information. |

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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** |
| No data available. |
| **10.5. Incompatible materials** |
| Strong acids/oxidizers. Do not mix with chlorinated detergents (bleach). |
| **10.6. Hazardous decomposition products** |
| Combustion products include carbon dioxide and carbon monoxide. |

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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 LD50,  mg/L/4hr** | **Inhalation Dust/Mist LD50,  mg/L/4hr** | **Inhalation Gas LD50,  ppm** |
| Tetrasodium EDTA - (64-02-8) | 1,000.00, Rat - Category: 4 | No data available | No data available | No data available | No data available |
| ethoxylated propoxylated Alcohols - (68603-25-8) | No data available | No data available | No data available | No data available | No data available |

|  |
| --- |
| 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 | --- | Not Applicable |
| Serious eye damage/irritation | 1 | Causes serious eye damage. |
| 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** |
| Tetrasodium EDTA - (64-02-8) | 486.00, Lepomis macrochirus | 610.00, Daphnia magna | 100.00 (72 hr), Scenedesmus subspicatus |
| ethoxylated propoxylated Alcohols - (68603-25-8) | Not Available | Not Available | Not Available |

|  |
| --- |
| **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 **DOT Label:** --- | **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:**            (No Product Ingredients Listed) |

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| **EPCRA 302 Extremely Hazardous :**            (No Product Ingredients Listed) |

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| --- |
| **EPCRA 313 Toxic Chemicals:**            (No Product Ingredients Listed) |

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| --- |
| **Proposition 65 - Carcinogens (>0.0%):**            (No Product Ingredients Listed) |

|  |
| --- |
| **Proposition 65 - Developmental Toxins (>0.0%):**            (No Product Ingredients Listed) |

|  |
| --- |
| **Proposition 65 - Female Repro Toxins (>0.0%):**            (No Product Ingredients Listed) |

|  |
| --- |
| **Proposition 65 - Male Repro Toxins (>0.0%):**            (No Product Ingredients Listed) |

|  |
| --- |
| **N.J. RTK Substances (>1%) :**            (No Product Ingredients Listed) |

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| --- |
| **Penn RTK Substances (>1%) :**            (No Product Ingredients Listed) |

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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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| --- |
| H302 Harmful if swallowed. |

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| --- |
| H318 Causes serious 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.** |  |  | | --- | | End of Document | |