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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 Quik-Strip |   |
| **Alternate Names** | Phoenix Quik-Strip |   |

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

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| **Intended use** | Floor Stripper |   |
| **Application Method** | See Technical Data Sheet. |   |

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

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| --- | --- |
| **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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| Acute Tox. 5;H303 | May be harmful if swallowed. (Not adopted by US OSHA) |
| Acute Tox. 5;H313 | May be harmful in contact with skin. (Not adopted by US OSHA) |
| Acute Tox. 4;H332 | Harmful if inhaled. |
| Skin Irrit. 2;H315 | Causes skin irritation. |
| 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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| GHS05 | GHS07 |

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| **Danger**  |

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| H303 May be harmful if swallowed. |
| H313 May be harmful in contact with skin. |
| H315 Causes skin irritation. |
| H318 Causes serious eye damage. |
| H332 Harmful if inhaled. |

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| **[Prevention]:**  |
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| P261 Avoid breathing dust / fume / gas / mist / vapors / spray. |
| P264 Wash thoroughly after handling. |
| P271 Use only outdoors or in a well-ventilated area. |
| P280 Wear protective gloves / eye protection / face protection. |
| **[Response]:**  |
|  |
| P302+352 IF ON SKIN: Wash with plenty of soap and water. |
| P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell. |
| 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. |
| P321 Specific treatment (see information on this label). |
| P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| 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** |
| **Ethylene glycol monobutyl ether   CAS Number:     0000111-76-2**  | **25 - 50** | **Acute Tox. 4;H332 Acute Tox. 4;H312 Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315** | **[1][2]** |
| **Nonylphenol polyethoxylate   CAS Number:     0009016-45-9**  | **1.0 - 10** | **Eye Dam. 2A;H319 Skin Irrit. 2;H315 Aquatic Chronic 2;H411 Acute Tox. 4;H302** | **[1][3]** |
| **Tetrasodium EDTA   CAS Number:     0000064-02-8**  | **1.0 - 10** | **Acute Tox. 4;H302 Eye Dam. 1;H318** | **[1]** |
| **Sodium silicate   CAS Number:     0001344-09-8**  | **1.0 - 10** | **Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Dam. 1;H318** | **[1]** |
| **Propylene Glycol   CAS Number:     0000057-55-6**  | **1.0 - 10** |  | **[1]** |

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| [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 and Oral.Signs and Symptoms of Overexposure (Acute): Prolonged or repeated contact of concentrated product with skin and/or eyes will cause irritation and reddening. Eye damage possible if contact is prolonged. Harmful or fatal if swallowed.Signs and Symptoms of Overexposure (Chronic): Contains material which penetrates skin readily. Ingestion, prolonged or widespread contact may result in the absorption of potentially harmful amounts.Medical Conditions Aggravated by Overexposure: An existing dermatitis.Carcinogen or Suspect Carcinogen Ingredients: None.See section 2 for further details.    |
| **Inhalation** | Harmful if inhaled.    |
| **Eyes** | Causes serious eye damage.    |
| **Skin** | May be harmful in contact with skin. (Not adopted by US OSHA) Causes skin irritation.    |
| **Ingestion** | May be harmful if swallowed. (Not adopted by US OSHA)    |
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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: Oxides of Carbon |
| Avoid breathing dust / fume / gas / mist / vapors / spray. |

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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. |
| Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways. |

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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: Safely stop spill at source. Contain spill by diking with soil or other inert material and CAREFULLY neutralize with dilute acid. Mop, pump or absorb with inert material and reclaim into sound containers for 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 specific requirements if product is handled according to good manufacturing practices. Wash thoroughly after handling. |
| 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 oxidizers and strong acids |
| 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** |
| 0000057-55-6 | Propylene Glycol | OSHA  | No Established Limit    |
| ACGIH  | No Established Limit    |
| NIOSH  | No Established Limit    |
| Supplier  | 10 mg/m3 TWA (listed as AIHA WEEL)   |
| 0000064-02-8 | Tetrasodium EDTA | OSHA  | No Established Limit    |
| ACGIH  | No Established Limit    |
| NIOSH  | No Established Limit    |
| Supplier  | No Established Limit    |
| 0000111-76-2 | Ethylene glycol monobutyl ether | OSHA  | TWA 50 ppm (240 mg/m3) [skin]   |
| ACGIH  | TWA: 20 ppmRevised 2003,   |
| NIOSH  | TWA 5 ppm (24 mg/m3) [skin]   |
| Supplier  | No Established Limit    |
| 0001344-09-8 | Sodium silicate | OSHA  | No Established Limit    |
| ACGIH  | No Established Limit    |
| NIOSH  | No Established Limit    |
| Supplier  | No Established Limit    |
| 0009016-45-9 | Nonylphenol polyethoxylate | 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** |
| 0000057-55-6 | Propylene Glycol | 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;   |
| 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;   |
| 0000111-76-2 | Ethylene glycol monobutyl ether | OSHA  | Select Carcinogen: No   |
| NTP  | Known: No;  Suspected: No   |
| IARC  | Group 1: No;  Group 2a: No;  Group 2b: No;  Group 3: Yes;  Group 4: No;   |
| 0001344-09-8 | Sodium silicate | 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;   |
| 0009016-45-9 | Nonylphenol polyethoxylate | 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** | None required under normal use. Avoid misting conditions.    |
| **Eyes** | Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.    |
| **Skin** | Protective Rubber/PVC gloves. Protective work clothing covering arms and legs are required to minimize contact. Avoid misting conditions. |
| **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** | Clear Colorless Liquid  |   |
| **Odor** | No |   |
| **Odor threshold** | Not Measured  |   |
| **pH**  | 12.8+/-0.5   |   |
| **Melting point / freezing point**  | NA  |   |
| **Initial boiling point and boiling range**  | 212 F  |   |
| **Flash Point** | (T.C.C): 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** | 1.016+/-0.005  |   |
| **Solubility in Water** | Complete  |   |
| **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** |
| Do not mix with alkalis such as chlorinated detergents (bleach). |
| **10.5. Incompatible materials** |
| Strong oxidizers and strong acids |
| **10.6. Hazardous decomposition products** |
| Oxides of Carbon  |

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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** | **InhalationDust/Mist LD50, mg/L/4hr** | **InhalationGas LD50, ppm** |
| Ethylene glycol monobutyl ether - (111-76-2) | 1,414.00, Guinea Pig - Category: 4    | 1,200.00, Guinea Pig - Category: 4    | 173.00, Guinea Pig - Category: NA    | No data available     | No data available     |
| Nonylphenol polyethoxylate - (9016-45-9) | 2,000.00, Rat - Category: 4    | No data available     | No data available     | No data available     | No data available     |
| Tetrasodium EDTA - (64-02-8) | 1,000.00, Rat - Category: 4    | No data available     | No data available     | No data available     | No data available     |
| Sodium silicate - (1344-09-8) | >2,000.00, Rat - Category: 5    | No data available     | No data available     | No data available     | No data available     |
| Propylene Glycol - (57-55-6) | 20,000.00, Rat - Category: NA    | 20,800.00, Rabbit - Category: NA    | 105.00, Rat - Category: NA    | 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) | 5  | May be harmful if swallowed. (Not adopted by US OSHA)  |
| Acute toxicity (dermal) | 5  | May be harmful in contact with skin. (Not adopted by US OSHA)  |
| Acute toxicity (inhalation) | 4  | Harmful if inhaled.  |
| Skin corrosion/irritation | 2  | Causes skin irritation.  |
| 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** |
| Ethylene glycol monobutyl ether - (111-76-2) |   220.00, Fish (Piscis)   |   1,000.00, Daphnia magna   |  Not Available     |
| Nonylphenol polyethoxylate - (9016-45-9) |   1.30, Lepomis macrochirus   |   4.80, Daphnia pulex   |   12.00 (96 hr), Pseudokirchneriella subcapitata    |
| Tetrasodium EDTA - (64-02-8) |   486.00, Lepomis macrochirus   |   610.00, Daphnia magna   |   100.00 (72 hr), Scenedesmus subspicatus    |
| Sodium silicate - (1344-09-8) |   301.00, Lepomis macrochirus   |   216.00, Daphnia magna   |  Not Available      |
| Propylene Glycol - (57-55-6) |   710.00, Pimephales promelas   |  10,000.00, Daphnia magna   |  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 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:**           (No Product Ingredients Listed) |

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

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| **EPCRA 313 Toxic Chemicals:** |

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|  | Ethylene glycol monobutyl ether  |

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

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

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| --- |
| **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%):** |

|  |  |
| --- | --- |
|  | Ethylene glycol monobutyl ether  |

|  |  |
| --- | --- |
|  | Propylene Glycol  |

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| --- |
| **Penn RTK Substances (>1%):** |

|  |  |
| --- | --- |
|  | Ethylene glycol monobutyl ether  |

|  |  |
| --- | --- |
|  | Propylene Glycol  |

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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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| H312 Harmful in contact with skin. |

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| H315 Causes skin irritation. |

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| --- |
| H318 Causes serious eye damage. |

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| H319 Causes serious eye irritation. |

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| H332 Harmful if inhaled. |

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| H411 Toxic to aquatic life with long lasting effects. |

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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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| End of Document |