

**SECTION 1: Identification and Supplier/Manufacturer's Information****1.1. Product identifier**

Product form: Compounded Product  
Product name: **Pre-Condition Plus**  
Product code: **10-067-1**

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

Use of the substance/mixture: Carpet Cleaner

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

Pioneer Chemical T 310-366-7393  
13717 S. Normandie Ave. F 310-366-7193  
Gardena, CA 90249 - USA www.pioneerchem.com

**1.4. Emergency telephone number**

Emergency number: INFOTRAC: 800-535-5053

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

**Classification (GHS-US)** N/A

Eye Irrit. 2A H319

Full text of H-phrases: see section 16

**2.2. Label elements****GHS-US labeling**

Hazard pictograms:  Hazard statements: Causes serious eye irritation.

Signal word: Warning Precautionary statements: Wash hands and forearms thoroughly after handling.

**2.3. Hazard not otherwise classified (HNOC)**

No additional information available

**2.4. Unknown acute toxicity (GHS-US)**

No data available

**SECTION 3: Composition/information on ingredients****3.1. Substance**

Not applicable

Full text of H-phrases: see section 16

**3.2. Mixture**

| <u>Name</u>                     | <u>Product identifier</u> | <u>%</u> | <u>Classification (GHS-US)</u>  |
|---------------------------------|---------------------------|----------|---|
| Ethylene Glycol Monobutyl Ether | (CAS No) 111-76-2         | < 15     | Skin Irritation (Category 2)<br>Eye Irritation (Category 2)<br>Flammable Liquids (Category 4)<br>Acute Toxicity Dermal (Category 4)<br>Acute Toxicity Inhalation Dust/Mist (Category 4)<br>Acute Toxicity Oral (Category 4)               |
| Monoethanolamine                | (CAS No) 141-43-5         | < 5      | Acute Oral Toxicity (Category 4)<br>Acute Inhalation Toxicity (Category 4)<br>Skin Corrosion (Category 1B)<br>Serious Eye Damage (Category 1)<br>STOT-SE Respiratory Tract Irritation (Category 3)<br>Acute Aquatic Toxicity (Category 3) |
| Sodium Carbonate                | (CAS No) 497-19-8         | < 5      | Eye Irritation (Category 2A)  |

(NOTE: If component displays the \* (asterisk) symbol, the following statement applies.)

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove to fresh air. Get medical attention if respiratory irritation occurs or if breathing becomes difficult.

First-aid measures after skin contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Seek medical attention if irritation occurs.

First-aid measures after eye contact: Flush immediately with fresh water for at least 15 minutes. Seek medical attention immediately.

First-aid measures after ingestion: DO NOT INDUCE VOMITING. Give two large glasses of water to dilute consumed product. Never give an unconscious person anything by mouth. Get medical attention immediately to determine if

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

Symptoms/injuries: No chronic effects reported. Repeated over exposure of the straight 2-Butoxyethanol may result in damage to the blood.

Symptoms/injuries after skin contact: Prolonged contact with the skin will cause irritation and may cause dermatitis.

Symptoms/injuries after eye contact: Exposure to liquid causes eye irritation.

Symptoms/injuries after ingestion: Swallowing may cause irritation to the throat, mouth and digestive tract accompanied by nausea and vomiting.

Symptoms/injuries after inhalation: Prolonged exposure to vapors in poorly ventilated areas may cause irritation of the mucous membranes or the respiratory tract.

**4.3. Indication of any immediate medical attention and special treatment needed**

No additional information available

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media: N/A

Unsuitable extinguishing media: N/A

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

Fire hazard: Not flammable.

Reactivity: Reacts with oxidizers (e.g. bleach), strong acids (e.g. muratic), and sodium nitrate.

**5.3. Advice for firefighters**

Firefighting instructions: Dilution of burning liquid with large volumes of water will affect extinguishments.  
 Protection during firefighting: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

**SECTION 6: Accidental release measures**

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

General measures:

**6.1.1. For non-emergency personnel**

Emergency procedures : Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

For containment: Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.

Methods for cleaning up: Small spills: Mop up excess material. Flush with water. Extinguish all surrounding ignition sources.  
 Large spills: Absorb with absorbent and place in a suitable container or pick up with vacuum truck. Flush spill area with water to remove any residue. Notify local, state or federal regulatory agencies as required.

**6.4. Reference to other sections**

See Heading 8. Exposure controls and personal protection.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Precautions for safe handling: Read and follow all label directions and precautions: avoid contamination of food or feed.  
 Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**7.2. Conditions for safe storage, including any incompatibilities**

Technical measures: Comply with applicable regulations.  
 Incompatible products: Oxidizers (e.g. bleach), strong acids (e.g. muratic), and sodium nitrate.  
 Storage area: Keep out of reach of children.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

| Ethylene Glycol Monobutyl Ether (111-76-2) |                                     |                            |
|--|-------------------------------------|----------------------------|
| USA ACGIH                                  | ACGIH Ceiling (mg/m <sup>3</sup> )  | 20ppm                      |
| USA OSHA                                   | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 50ppm                      |
| Monoethanolamine (141-43-5)                |                                     |                            |
| USA ACGIH                                  | ACGIH Ceiling (mg/m <sup>3</sup> )  | 3ppm 7.5 mg/m <sup>3</sup> |
| USA OSHA                                   | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 3ppm 6 mg/m <sup>3</sup>   |

**8.2. Exposure controls**

|                                   |   |
|-----------------------------------|---|
| Personal protective equipment:    | Avoid all unnecessary exposure.   |
| Hand protection:                  | Wear impervious clothing and gloves to prevent contact.   |
| Eye protection:                   | Wear chemical splash goggles where there is a potential for eye contact.  |
| Skin and body protection:         | Not required under normal use conditions.   |
| Respiratory protection:           | None required under normal use conditions.  |
| Other information:                | Local ventilation required.   |
| Appropriate engineering controls: | Wash with soap and water before handling food. Remove contaminated clothing. Use conditions will vary depending on customer's applications. Specific safe handling procedures should be |

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

|                   |                   |  |                   |
|-------------------|-------------------|--|-------------------|
| Physical state:   | Liquid            | Relative evaporation rate (butyl acetate=1): | No data available |
| Color:            | Clear red/purple  | Partition Coefficient n-Octanol-Water:       | No data available |
| Odor:             | Light aroma       | Flammability (solid, gas):                   | Not flammable     |
| Odor threshold:   | No data available | Vapor pressure:                              | No data available |
| pH:               | 7                 | Vapor density:                               | No data available |
| Melting point:    | N/A               | Specific Gravity @ 77° F:                    | 1.04              |
| Freezing point:   | No data available | Solubility:                                  | Water: Complete   |
| Boiling point:    | > 212 °F          | Flash point:                                 | Will not flash.   |
| Explosive limits: | No data available | Auto-ignition temperature:                   | No data available |
| Viscosity:        | No data available | Decomposition temperature:                   | No data available |

**9.2. Other information**

VOC content: 0 g/l

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Reacts with oxidizers (e.g. bleach), strong acids (e.g. muratic), and sodium nitrate.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

None

**10.4. Conditions to avoid**

N/A

**10.5. Incompatible materials**

Oxidizers (e.g. bleach), strong acids (e.g. muratic), and sodium nitrate.

**10.6. Hazardous decomposition products**

Carbon dioxide and carbon monoxide may be liberated as well as unidentified organic compounds in black smoke.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity:

| <b>Ethylene Glycol Monobutyl Ether (111-76-2)</b> |  |
|---|--|
| LC50 (female rat)                                 | 450 ppm (4 hour exposure) (2)                                    |
| LC50 (male rat)                                   | 486 ppm (4 hour exposure) (2)                                    |
| LD50 (oral, male weanling rat)                    | 3000 mg/kg (1)   |
| LD50 (oral, 6-week old male rat)                  | 2400 mg/kg (1)   |
| LD50 (oral, yearling male rat)                    | 560 mg/kg (1)  |
| LD50 (oral, female rat)                           | 530 mg/kg; 2500 mg/kg (1)LD50 (oral, male mouse): 1230 mg/kg (1) |
| LD50 (oral, rabbit)                               | 320 mg/kg (1)  |
| LD50 (dermal, male rabbit)                        | 406 mg/kg (cited as 0.45 mL/kg) (1)                              |
| <b>Monoethanolamine (141-43-5)</b>                |  |
| LD50 (oral, rat)                                  | 1089 mg/kg   |
| LD50 (dermal, rabbit)                             | >2000 mg/kg  |
| LC50 (inhalation, rat)                            | 1-2 mg/l (vapor)   |
| <b>Sodium Carbonate (497-19-8)</b>                |  |
| LD50 (oral, male and female rat)                  | 2800 mg/kg   |
| LC50 (inhalation, male rat)                       | 2300 ppm (2 hour exposure)                                       |
| LD50 (dermal, rabbit)                             | 2000 mg/kg   |

**SECTION 12: Ecological information**

**12.1. Toxicity**

| <b>Ethylene Glycol Monobutyl Ether (111-76-2)</b> |   |
|---|---|
| No data available                                 |   |
| <b>Monoethanolamine (141-43-5)</b>                |   |
| LC50 fish 1                                       | > 100 mg/l (96 h)                                       |
| EC50 daphnia magna 1                              | 65 mg/l (48 h)  |
| ErC50 algae                                       | 2-3 mg/l (72 h)   |
| <b>Sodium Carbonate (497-19-8)</b>                |   |
| LC50 fish 1                                       | 300 mg/l (96 h; Lepomis macrochirus - Bluegill sunfish) |
| EC50 daphnia magna 1                              | 265 mg/l (48 h; Water flea)                             |

**12.2. Persistence and degradability**

| <b>Monoethanolamine (141-43-5)</b> |                       |
|------------------------------------|-----------------------|
| Persistence and degradability      | Readily biodegradable |

**12.3. Bioaccumulative potential**

**Ethylene Glycol Monobutyl Ether (111-76-2)**

|                           |                                  |
|---------------------------|----------------------------------|
| Bioaccumulative potential | Bioaccumulation: not applicable. |
|---------------------------|----------------------------------|

**Monoethanolamine (141-43-5)**

|                           |                                  |
|---------------------------|----------------------------------|
| Bioaccumulative potential | Bioaccumulation: not applicable. |
|---------------------------|----------------------------------|

**Sodium Carbonate (497-19-8)**

|                           |                                  |
|---------------------------|----------------------------------|
| Bioaccumulative potential | Bioaccumulation: not applicable. |
|---------------------------|----------------------------------|

**12.4. Other adverse effects**

Other information: Avoid release to the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste disposal recommendations: Dispose of in accordance with local, state and federal regulations. Container Disposal: Triple rinse or equivalent. Then offer for recycle or reconditioning, or puncture and dispose of in any sanitary landfill.

Ecology - waste materials: Avoid release to the environment.

**SECTION 14: Transport information**

**14.1. UN Number**

UN-No.(DOT): N/A

Other information: N/A

**14.2. UN proper shipping name**

DOT Proper Shipping Name: N/A

Hazard labels (DOT): N/A

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory

**15.3. US State regulations**

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

**SECTION 16: Other information**

Abbreviations Legend:

|           |   |
|-----------|---|
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
|-----------|---|

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ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO CUSTOMER SERVICE (310) 366-7393

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