

# TILE CARE



## New Grout II Grout Restorer

### APPLICATIONS

A rapidly effective, low odor, non-fuming, high sudsing, acid base detergent for a variety of cleaning and descaling operations, especially designed to make old grout like new again. This concentrated product may be used undiluted for severe encrustation of scale, deposits, alkaline matter, or diluted with water for economical removal of hard water formation of soap scum, corrosion, lime build-up or mortar spatters. This unique formulation combines the chemical strength of blended acids with the emulsification properties of high sudsing synthetic detergents. Cleans debris from brick and masonry surfaces, ceramic tile, mortar stone, and metallic surfaces other than aluminum or magnesium. This product is ideal for cleaning, degreasing, and providing a light etch to concrete floors. Water conditioners assist in film-free rinsing of cleaned surface.

- *Restores grout.*
- *Works in minutes.*
- *Low odor.*
- *Easy to use.*



### PACKAGING CONFIGURATIONS

|                                      |             |
|--------------------------------------|-------------|
| 1 QUART BOTTLE (12 bottles per case) | FG 8011-QT  |
| 1 GALLON BOTTLE (4 bottles per case) | FG 8012-GAL |



To order contact: EES, Inc.

127 Riverside Drive, Cartersville, GA 30120

Toll Free: 800-473-9467 • Fax: 678-721-9279

[www.eesatl.com](http://www.eesatl.com)

# Safety Data Sheet

Version 2.0

Revision Date: 06/30/2015

## 1. Product and Company Identification

### Product Identifier

Product Name: New Grout II  
Product Code: FG-8011, FG-8012  
General Use: High Sudsing Acid Based Detergent, Grout Cleaner

### Recommended/Restricted Use

Identified Uses: High Sudsing Acid Based Detergent, Grout Cleaner  
Restrictions: This product will cause corrosion to most metals and dissolve most alkaline materials.

### Distributor

EES, Inc.  
127 Riverside Drive  
Cartersville, GA 30127 USA  
(800) 473-9467

### Emergency Contact Information

Phone Number: ChemTel  
Company Name: (800) 255-3924

## 2. Hazard Identification

### GHS Classification

|   |             |
|---|-------------|
| Metal corrosive   | Category 1  |
| Skin Corrosion / Irritation   | Category 1B |
| Eye damage / Irritation   | Category 1  |
| Specific Target Organ Toxicity -- Single Exposure, Respiratory Irritation | Category 3  |

### GHS Label Elements, Including Precautionary Statements

Pictogram



Signal Word

**Danger**

### Hazard Statement(s)

|      |   |
|------|---|
| H290 | May be corrosive to metals              |
| H318 | Causes serious eye damage               |
| H314 | Causes severe skin burns and eye damage |
| H335 | May cause respiratory irritation        |

### Precautionary Statement(s)

|      |  |
|------|--|
| P234 | Keep only in original container.   |
| P271 | Use only outdoors or in a well ventilated area.                                  |
| P270 | Do not eat, drink, or smoke when using this product.                             |
| P280 | Wear protective gloves / protective clothing / eye protection / face protection. |

|                    |   |
|--------------------|---|
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower. |
|--------------------|---|

|                    |  |
|--------------------|--|
| P362               | Take off contaminated clothing and wash it before reuse.   |
| P264               | Wash hands, arms, or any contacted areas of body thoroughly after handling.  |
| P332 + P313        | If skin irritation occurs: Get medical advice/attention.   |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |
| P310               | Immediately call a POISON CENTER / doctor / physician / hospital / medical center.   |
| P260               | Do not breathe fume / gas / mist / vapors / spray.   |
| P403 + P235        | Store in a well ventilated place. Keep cool.   |
| P405               | Store locked up.   |
| P406               | Store in a corrosive resistant container with a resistant inner liner.   |
| P501               | Dispose of contents/container to waste in accordance with local/regional/national/international regulations.                     |

#### HMIS Classification

|                   |   |
|-------------------|---|
| Health Hazard:    | 2 |
| Flammability:     | 1 |
| Physical Hazards: | 0 |

#### NFPA Rating

|                   |   |
|-------------------|---|
| Health Hazard:    | 2 |
| Fire:             | 1 |
| Reactivity Hazard | 0 |



#### Other Hazards

Repeated exposure may cause skin dryness or cracking.

Keep out of reach of children.

When storing container, keep container locked up and lid closed tightly.

Do not touch eyes with hands when using this product.

Use only in well ventilated areas.

Use goggles or face shield to appropriately protect eyes when using this product.

Vapors can irritate eyes and/or cause dizziness or drowsiness if breathed, especially if product is heated.

Immediately call a POISON CENTER / doctor / physician / hospital / medical center if you feel unwell during or after using this product.

Absorb spillage to prevent material damage.

Use a permitted recycling or waste destruction company to dispose of waste that has contacted this product.

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### 3. Composition/Information on Ingredients

| Chemical Name                   | Weight % | CAS Number  |
|---------------------------------|----------|-------------|
| Hydrochloric Acid               | 15 - 30  | 7647-01-0   |
| 2-(2-Butoxyethoxy) ethanol      | 3 - 12   | 112-34-5    |
| Nonylphenol, ethoxylated        | 3 max    | 127087-87-0 |
| Other non-hazardous components* | N/A      | N/A         |

\*Other components of this formulation is a trade secret and withheld in accordance with provision 1910.1200 of the title of US Code Federal Regulations.

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### 4. First Aid Measures

#### Description of First Aid Measures

- Inhalation** If breathing becomes difficult while using this product, due to respiratory irritation or existing asthma condition, or if dizziness or drowsiness occurs, immediately remove to fresh air and keep warm and at rest in a position comfortable for breathing. In cases of severe exposure or if symptoms do not improve, contact POISON CENTER, hospital, or physician immediately. If breathing or heart has stopped, trained personnel should immediately begin artificial respiration or CPR, as needed, and immediately contact Emergency Medical Services (EMS).
- Skin Contact** In the case of skin irritation or rash development, or its prevention, remove any contaminated clothing. Wash exposed skin area with plenty of soap and water generously. In case of severe exposure or if skin irritation or rash occurs, and persists, contact a POISON CENTER, hospital, or physician for medical advice or treatment. Thoroughly clean all contaminated clothing before reuse, discard all contaminated leather goods (gloves, shoes, belts, wallets, etc.).
- Eye Contact** Flush exposed eyes with clean water, remove any easily removable contact lenses while continuously flushing, and continue flushing while holding upper and lower eyelids open for a minimum of 15 minutes. In the case of severe exposure or if eye irritation persists contact a POISON CENTER, hospital, physician, or ophthalmologist for medical advice or treatment without delay. Transport and seek medical attention. An eyewash fountain or other means of flushing eyes should be located immediately in work area prior to use of this product.
- Ingestion** If alert, rinse mouth with water and give plenty of water to drink. DO NOT induce vomiting. If vomiting occurs, keep head low so that stomach content does not have a tendency to enter the lungs. If not alert, or unconscious, immediately contact EMS. If breathing or heart has stopped, trained personnel should immediately begin artificial respiration or CPR, as needed. Contact POISON CENTER, hospital, or physician immediately for medical advice.

#### Most Important Symptoms/Effects

- Inhalation** Immediate coughing and irritation of the mucus membranes (burning eye, nostril, airway, throat sensation); difficulty breathing; headache; followed by dizziness; confusion; hypotension; hypothermia; drowsy. Extended exposure may cause chronic bronchitis or inflammation of the bronchi.
- Skin Contact** Skin irritation, chemical burns, itching sensation, rash, swelling, dermatitis, defatting, drying, or flaking of skin.



**Eye Contact** Immediate redness, watering, itching, irritation, or painful burning sensation of eyes. Blurred vision or permanent eye damage and blindness can result from eye exposure. Corneal damage, cataracts, and glaucoma may develop with longer term exposure to this product or its fumes.

**Ingestion** Nausea; vomiting; chemical burns in the mouth, throat, stomach, or gastrointestinal tract; difficulty swallowing, facial flushing, hypotension, central nervous system depression, or irregular heart beat, diarrhea. Long term exposure can cause gastritis, scarring of the digestive system, and possible blockages due to internal damages.

#### **Indication of Immediate Medical Attention or Special Treatment Needed**

Cases of eye contact and ingestion should be treated immediately. If the above first aid measures are not successful, or if there is any difficulty breathing, or generally feeling unwell, seek medical advice / attention immediately. Have facilities in place in close proximity to rinse skin and eyes in case of exposure. Although not common, respiratory symptoms, including pulmonary edema, may be delayed 24 to 48 hours with significant exposures to vapors. Medical providers or rescuers should take precautions to protect themselves. Provide this sheet to medical personnel in attendance.

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### **5. Firefighting Measures**

#### **Suitable Extinguishing Media**

Use water, dry chemical, carbon dioxide, or large quantities of alcohol-resistant spray foam.

#### **Unsuitable Extinguishing Media**

N/A

#### **Specific Hazards Arising from the Chemical**

This product will decompose at high temperatures to form toxic and corrosive Hydrochloric Acid vapors. Other combustion products include: Carbon dioxide, carbon monoxide, VOCs, Oxides of Nitrogen (NO<sub>x</sub>).

#### **Special Protective Actions for Firefighters**

Wear self-contained breathing apparatus approved by NIOSH, protecting goggles or face shield, protective firefighter turn-out gear clothing when fighting any fire that may heat this product to form pressure or dangerous vapors. Closed containers of this product may explode due to building pressure in its container if exposed to extreme heat. Containers close to any fire area should be cooled with water from a distance if safe to do so. Prevent any water contaminated by this product from running off immediate premises and entering creeks, drains, and water courses.

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### **6. Accidental Release Measures**

#### **Personal Precautions, Protective Equipment and Emergency Procedures**

Provide good ventilation during use of this product. Do not inhale vapors. Keep away from heat / sparks / flame / hot surfaces or any other source of ignition. No Smoking. Do not spray product into eyes. Do not touch eyes or face with contaminated hands. Wear safety goggles, protective clothing, and impermeable gloves when using this product to protect skin. Wash hands / exposed skin after handling or using product. Do not use this product on food products or food contact surfaces. In case of spill of this product, have emergency procedures in place for treating spillage safely, including evacuating the area or possibly notifying emergency services as necessary.

## Environmental Precautions

Avoid discharge into sewers and public water systems. Do not allow product onto earth; surface, or groundwater; or into storm sewers and ditches that runoff into waterways.

## Methods and Materials for Containment and Cleaning Up

Store product in a secondary containment or diked area to contain any spillage that may occur. Dike and pump any large spills into safe, sealed containers, then absorb remainder of spill (or any small quantity spill) with inert media (such as polypads, paper towels, or other suitable absorbant material). Sweep any absorbed product into appropriate solids disposal container and dispose of in accordance with appropriate local / state / national / international waste regulations. Mop area with water and detergent and ventilate area before allowing access.

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## 7. Handling and Storage

### Precautions for Safe Handling

When using this product; provide good ventilation, wear protective gloves, clothing, and safety goggles. Wash hands / exposed skin after handling and before eating. Do not use this product on food or food-contact surfaces. Do not use near open flames or ignition sources.

### Conditions for Safe Storage, Including any Incompatibilities

Store sealed in drums or product packaging in a cool, dry place that is not in direct sunlight. Avoid freezing or abnormally high temperatures, open flames, and ignition sources. Do not store in a location with other incompatible materials. It is advisable to store product container in a secondary containment area in case of potential spillage container rupture. If material is transferred to another container make sure that packaging material is compatible with product. Do not leave container exposed to the atmosphere as this may result in loss of contents and contamination. Keep container closed tightly and do not allow product to be exposed to the air as oxidation and peroxide formation may occur.

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## 8. Exposure Controls/Personal Protection

### Exposure Limits (Hydrochloric Acid, CAS# 4647-01-0):

|   |           |
|---|-----------|
| USA. OSHA Occupational Exposure Limit-- Table Z-1 Limits for Air Contaminants -- 1910.1000: | 5 PPM     |
| USA. NIOSH Recommended Exposure Limits:   | 5 PPM     |
| USA. American Conference of Governmental Industrial Hygienists (ACGIH):                     | 2 ppm TLV |

### Exposure Limits (2-(2-Butoxyethoxy) ethanol, CAS# 112-34-5):

|  |            |
|--|------------|
| USA. American Conference of Governmental Industrial Hygienists (ACGIH) (Inhalable fraction and vapor): | 10 ppm TLV |
|--|------------|

### Exposure Limits (Nonylphenol, ethoxylated, CAS# 127087-87-0 ):

|  |             |
|--|-------------|
| Acute Toxicity, Oral, Rat, LD <sub>50</sub> :                                | >3310 mg/kg |
| Acute Toxicity, Dermal, Rabbit, LD <sub>50</sub> :                           | >2000 mg/kg |
| Acute Toxicity, Dermal, Fish, LC <sub>50</sub> @ 96 hrs Aquatic Ecotoxicity: | >10 mg/l    |

\* Exposure control limit determination based on existing data calculation for above components of formulation.

## Engineering Controls

Use this product in a well ventilated area.

Store this product in secondary containment area in case of spillage.

Do not use a sprayer to apply this product so as to prevent exposure to the hazards associated with its mist.

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**Individual Protection Measures**

|                         |  |
|-------------------------|--|
| Eye/Face Protection:    | Safety Goggles or a Face Shield should be worn when spraying or using this product.  |
| Skin Protection:        | Impermeable gloves (not leather) and protective clothing should be worn when spraying or using this product.   |
| Respiratory Protection: | Not necessary when used for short periods of time in well ventilated areas; otherwise, respiratory protection, such as an approved air purifying respirator or positive-pressure supplied-air, should be used when significant vapors are present or there is a potential to exceed the exposure limit guidelines as referenced above in this section. |
| Thermal Hazards:        | Containers of this product may become pressurized when exposed to hot environments or fire. Wear appropriate protective goggles / face shield, clothing, and impermeable gloves (not leather) when preparing to use this product.  |

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**9. Physical and Chemical Properties**

|                               |                            |
|-------------------------------|----------------------------|
| Physical State                | liquid                     |
| Color                         | Pale yellow, transparent   |
| Odor                          | Very faint acid butyl odor |
| Odor Threshold                | N/D                        |
| pH                            | 0 - 0.5                    |
| Specific Gravity              | 1.06                       |
| Melting Point/Freezing Point  | N/D                        |
| Initial Boiling Point         | >100°C                     |
| Flash Point                   | >100°C                     |
| Flamability (solid/gas)       | N/A                        |
| Vapor Pressure                | N/D                        |
| Vapor Density (Air=1)         | N/D                        |
| Relative Vapor Density (20°C) | N/D                        |
| Water Solubility              | Completely soluble         |
| Auto-Ignition Temperature     | N/D                        |
| Decomposition Temperature     | N/D                        |
| Viscosity                     | N/D                        |

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**10. Stability and Reactivity**

|                                    |  |
|------------------------------------|--|
| Reactivity                         | Can react with alkalis or oxidizing agents. May react violently. Reaction with cyanides may produce hydrogen cyanide gas. Reaction with metals will produce hydrogen gas which can form explosive atmospheres. Will corrode metals, some plastics, and rubber. |
| Chemical Stability                 | Stable when stored in sealed container or packaging, at normal temperatures, and in a suitable location.   |
| Possibility of Hazardous Reactions | Hazardous polymerization will not occur. Hazardous reactions can occur with reactions with strong alkalis, oxidizers, metals and other incompatible materials with potential heat and pressure buildup in sealed containers.                                   |

**Conditions to Avoid**

Do not allow contamination of product. Avoid exposure to moisture, direct sunlight, heat, flames, oxidizing agents, or the atmosphere. Avoid excessive heat and freezing conditions. Avoid storage with incompatible materials. If drums or packaging are left open and exposed to air product may oxidize to form dangerous peroxides.

**Incompatible Materials**

Bases, strong alkali, reactive metals, oxidizing agents, amines, ammonia compounds, aldehydes, perchloric acid, sulfuric acid, fluorine, sulfides, epichlorohydrin, isocyanates, some plastics, rubber, coatings, inorganic hydrides, or any strong oxidizing substances. Avoid contamination of product with any other chemicals that may affect the composition of the product.

**Hazardous Decomposition Products**

Hydrochloric acid vapors, carbon monoxide, carbon dioxide, oxides of nitrogen (NO<sub>x</sub>) and other organic vapors upon heating or burning.

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**11. Toxicological Information****Likely Routes of Exposure**

Skin, ingestion, inhalation, and eyes through contact with vapors or hands.

**Symptoms related to physical, chemical, and toxicological characteristics**

This product causes skin, eye, and mucous membrane irritation, corrosion, and serious burns; and if inhaled will cause respiratory system irritation or damages.

**Delayed or Immediate exposure effects**

Immediate effects: Irritation to eyes and mucous membranes. Burning sensation to skin. Burning sensation in mouth. Coughing and difficulties with breathing. Nausea and vomiting. Volatile organic vapors may cause dizziness, central nervous system depression, and/or drowsiness. Delayed effects: irritation to respiratory system, coughing and difficulty in breathing, pulmonary edema, decreased pulmonary function, inflammation of bronchi, upper respiratory tract abnormalities and nasal ulceration. May cause restrictive airway dysfunction (RADS). Corrosive if ingested, even in small amounts. Causes burns and scarring to skin, nausea, and vomiting. Risk of perforation of the gastrointestinal tract and scarring leading to stricture formation causing dysphasia or gastric outlet obstruction. Risk of burns from eye contact and serious damage to the eyes, including corneal damage, conjunctivitis, cataracts, and glaucoma.

**Chronic effects from short- and long-term exposure**

Irritation to respiratory system, coughing and difficulty in breathing, pulmonary edema, decreased pulmonary function, inflammation of bronchi, upper respiratory tract abnormalities and nasal ulceration. May cause restrictive airway dysfunction (RADS). Corrosive if ingested, even in small amounts. Causes burns and scarring to skin, nausea, and vomiting. Risk of perforation of the gastrointestinal tract and scarring leading to stricture formation causing dysphasia or gastric outlet obstruction. Risk of burns from eye contact and serious damage to the eyes, including corneal damage, conjunctivitis, cataracts, and glaucoma.

**Acute Toxicity (hydrochloric acid, inhibited):**

Rat, Oral, LD50: 700 mg/kg

Rat, Inhalation, LC50: 3124 ppm - 1 hour

Rat, Dermal, LD50: 5010 mg/kg

**Skin corrosion/irritation:**

Rabbit -- causes burns.

**Serious eye damage/irritation:**

Rabbit -- corrosive to eyes.

**Respiratory or skin sensitization:**

No data available.

**Germ cell mutagenicity:**

No data available.

**Carcinogenicity:**

This product is not classified as a carcinogen by NTP, IARC, or OSHA.

**Reproductive toxicity:**

No data available

**Specific Target Organ Toxicity -- Single Exposure (GHS):**

Respiratory System and Lungs.

**Specific Target Organ Toxicity -- Repeated Exposure (GHS):**

Respiratory System and Lungs.

**Aspiration Hazard:**

No data available.

**Acute Toxicity (2-(2-Butoxyethoxy) ethanol):** Mouse, Oral, LD50: 2410 mg/kg

Rat, Inhalation, LC50: >2.1 mg/l, 4 hour exposure time.

Rabbit, Dermal, LD50: 2764 mg/kg, 4 hour exposure time.

**Skin corrosion/irritation:**

Based on Skin Irritation Values, Not Classified. May cause slight transient skin irritation.

**Serious eye damage/irritation:**

Classified -- causes serious eye irritation.

**Respiratory or skin sensitization:**

Not Classified -- no adverse effect observed.

**Germ cell mutagenicity:**

Not Classified -- no adverse effect observed.

**Carcinogenicity:**

Not Classified -- no adverse effect observed.

**Reproductive toxicity:**

Not Classified -- no adverse effect observed.

**Specific Target Organ Toxicity -- Single Exposure (GHS):**

Based on single exposure toxicity values, not classified.

**Specific Target Organ Toxicity -- Repeated Exposure (GHS):**

Based on repeated exposure toxicity values, not classified.

**Aspiration Hazard:**

Based on physico-chemical values or lack of human evidence, not classified.



**Acute Toxicity (nonylphenol, ethoxylated):** Rat, Oral, LD50: >3310 mg/kg

Fish, LC50: >10 mg/l, 96 hour Aquatic Ecotoxicity.

Rabbit, Dermal, LD50: >2000 mg/kg.

**Skin corrosion/irritation:**

Causes skin irritation.

**Serious eye damage/irritation:**

Classified -- causes serious eye irritation.

**Respiratory or skin sensitization:**

Not a respiratory sensitizer. 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 classified as a carcinogen by NTP, IARC, ACGIH, or OSHA.

**Reproductive toxicity:**

This product as used is not expected to cause reproductive or developmental effects.

**Specific Target Organ Toxicity --  
Single Exposure (GHS):**

Not classified.

**Specific Target Organ Toxicity --  
Repeated Exposure (GHS):**

Not classified.

**Aspiration Hazard:**

Not an aspiration hazard.

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## 12. Ecological Information

**No specific eco-toxicological data and or biodegradation data has been determined for this preparation.**

### Ecotoxicity Assessment of Formulation Component (Glycol Ether DB):

**Acute aquatic toxicity:**

Not Classified -- based on acute aquatic toxicity values.

**Chronic aquatic toxicity:**

Not Classified -- based on readily biodegradability and low acute toxicity.

**Toxicity to fish:**

Acute toxicity to fish is very low.

**Toxicity to daphnia and other  
aquatic invertebrates:**

Acute toxicity to freshwater and marine invertebrates is very low.

**Toxicity to algae:**

Acute toxicity to aquatic plants is very low.

**Toxicity to bacteria:**

Low toxicity to sewage microbes.

**Toxicity to fish (chronic toxicity):**

No data available.

**Toxicity to daphnia and other  
aquatic invertebrates (chronic  
toxicity):**

No data available.

**Persistence and degradability:**

Rapidly degradable. 92 % biodegradable (after 28 days in a ready biodegradability test).

**Bioaccumulative potential:**

This material is not suspected to bioaccumulate. Bioaccumulation factor (BCF):1.4 - 3.2 (Method: QSAR calculated value.)

**Ecotoxicity Assessment of Formulation  
Component (Hydrochloric Acid, inhibited):**

**Acute aquatic toxicity:** Fish, *Lepomis macrochirus* (Bluegill), LC50: pH = 3.25 - 3.5 (96 hours).

**PVT and vPvB Assessment:** This product does not contain any PBT or vPvB substances.

**Persistence and degradability:** This product is not biodegradable. Hydrochloric acid dissociates completely in water and soil to form chloride ions and hydronium ions. Minerals in the soil will help to neutralize the acid; however, larger or continuous emissions may lead to the product travelling into groundwater. As the product travels further into the soil the increased contact raises the pH to make it less acidic. Hydrochloric acid is an inorganic compound and is not biodegradable.

**Bioaccumulative potential:** This product is not bioaccumulating.

**Ecotoxicity Assessment of Formulation  
Component (Nonylphenol, ethoxylated):**

**Acute aquatic toxicity:** Toxic to aquatic life with long lasting effects. Flathead minnow (*Pimephales promelas*), LC50 = 73 - 96 mg/l, 96 hours, based on Ethylene oxide (CAS#: 75-21-8) a component of formulation.

**Mobility in soil:** No data available.

**Persistence and degradability:** No data is available on the degradability of this product.

**Bioaccumulative potential:** No data available.

**Ecotoxicity Assessment of Formulation  
Component (Urea):** This component is not classified as environmentally hazardous; however, large or frequent spills can possibly have a harmful or damaging effect on the environment.

**Acute aquatic toxicity:** Water Flea (*Daphnia magna*), EC50 = 3910 mg/l, 48 hours.

**Mobility in soil:** This product is water soluble and may spread in water systems.

**Persistence and degradability:** No data is available on the degradability of this product.

**Bioaccumulative potential:** No data available.

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**13. Disposal Considerations**

**Disposal Methods** Emptied container may retain product residue. Dispose of this product and its uncleaned container as hazardous waste or in a special waste collection point. Do not allow this product to drain into ponds, waterways, ditches, sewers, or potential water supplies. Dispose of this product observing all applicable International, Federal, Provincial, Regional, State, Local, and Municipal regulations. Local disposal regulations vary by location.

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**14. Transport Information**

**US DOT Proper Shipping Name:** UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (contains hydrochloric acid), PG III, Class 1.4C.

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## 15. Regulatory Information

|   |   |
|---|---|
| <b>TSCA Status</b>  | All components of this product formulation are listed.  |
| <b>RCRA Status</b>  | A solid waste that exhibits the characteristic of corrosivity has the EPA Hazardous Waste Number of D002 (corrosive waste).   |
| <b>CERCLA Section 102(a) (Section 112, Clean Air Act) Status:</b>                                 | The following components of this formulation are listed:<br><br>Glycol Ether DB (2-(2-Butoxyethoxy) ethanol) (CAS 112-34-5)<br><br>Hydrochloric Acid (CAS# 7647-01-0)   |
| <b>Superfund Amendments and Reauthorization Act (SARA) of 1986:</b>                               |   |
| <b>Hazard Categories:</b>   | Immediate Hazard - Yes, per components Nonylphenol, Ethoxylated; Glycol Ether, DB, hydrochloric acid.<br><br>Delayed Hazard - No<br>Fire Hazard - No<br>Pressure Hazard - No<br>Reactivity Hazard - No              |
| <b>SARA 313 (TRI Reporting):</b>  | This product is subject to reporting requirements of these sections of Title III of SARA based on its formulation containing hydrochloric acid and because it contains 2-(2-Butoxyethoxy) ethanol a "glycol ether." |
| <b>SARA 311/312 (Health and Physical Hazards based on available information on supplier SDS):</b> | This product is classified as an Acute Health Hazard, an Immediate (Acute) Health Hazard, and a delayed (Chronic) Health Hazard according to components of its formulation.   |
| <b>OSHA Hazard Communication Standard:</b>  | This product is classified as a "Hazardous Chemical," as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200), based on its formulation components.   |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>                             | No components of this formulation are listed  |
| <b>CERCLA Hazardous Substance List (40 CFR302.4):</b>   | This product contains a component, Glycol Ether, DB (CAS# 113-34-5) that is listed as a Hazardous Substance on this list.   |
| <b>Clean Air Act(CAA)-Section 112, Hazardous Air Pollutants (HAPs) List:</b>                      | No components of this formulation are listed.   |
| <b>Clean Air Act(CAA)-Section 112(r), Accidental Release Prevention (40 CFR 69.130):</b>          | No components of this formulation are listed.   |
| <b>Clean Water Act:</b>   | The component of this formulation, Hydrochloric Acid (CAS# 7467-01-0), is listed (RQ=5000 lbs) as a hazardous substance under the CWA.  |

## Other U.S. State Inventories

Formulation components of this product listed on the following U.S. State Hazardous Substance Inventories or Right-to-Know lists:

Rhode Island - Nonylphenol, Ethoxylated  
Massachusetts - Nonylphenol, Ethoxylated; Hydrochloric acid  
New Jersey - Nonylphenol, Ethoxylated; Hydrochloric acid  
Pennsylvania - Nonylphenol, Ethoxylated; Hydrochloric acid  
California - Hydrochloric acid  
Minnesota - Hydrochloric acid

### California Proposition 65, Safe Drinking Water and Toxic Enforcement Act of 1986:

This product is not known to the State of California to cause cancer or other reproductive harm.

### International Inventories (formulation Components):

(This product is not on any of the following international inventories, but its components are as listed below).

#### Canada:

**Domestic Substances List (DSL)** - Hydrochloric Acid; Nonylphenol, Ethoxylated; and 2-(2-Butoxyethoxy) ethanol are listed.

**Non-Domestic Substances List (NDSL)** - No components are listed.

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## 16. Other Information

|                         |   |
|-------------------------|---|
| Prepared By             | EES, Inc.<br>127 Riverside Drive Cartersville, GA 30120<br>(800) 473-9467   |
| Date of Latest Version  | 30-Jun-15   |
| Sections of SDS Revised | Converted to GHS compliant SDS standard format  |
| Further Information     | The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the test. |