EXPOSE II 256 (US)

1. IDENTIFICATION

Product name: EXPOSE II 256 (US)
Product Code: 05699
SDS #: MS0800524
Recommended use:
• Industrial/Institutional
• Disinfectant
• Cleaning product
• This product is intended to be diluted prior to use
Uses advised against:
Uses other than those identified are not recommended

Manufacturer, importer, supplier:
US Headquarters
Diversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-1964
Phone: 1-888-352-2249
MSDS Internet Address: www.diversey.com

Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product
Skin corrosion/irritation Category 1B
Serious eye damage/eye irritation Category 1
Skin sensitization Category 1
Specific target organ toxicity (single exposure) Category 3
Flammability Flammable liquid and vapour, Category 3
Metal Corrosion: Category 1

Signal Word: Danger.

Precautionary Statements
FLAMMABLE LIQUID AND VAPOR. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. MAY BE CORROSIVE TO METALS.
Causes burns/serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original container. Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating or lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe spray. Avoid breathing vapors. Wash affected areas thoroughly after handling. Use only in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear.
**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ortho-benzyl-para-chlorophenol</td>
<td>120-32-1</td>
<td>10 - 20%</td>
</tr>
<tr>
<td>Ortho-phenylphenol</td>
<td>90-43-7</td>
<td>10 - 20%</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>107-21-1</td>
<td>5 - 10%</td>
</tr>
<tr>
<td>Sodium lauryl sulfate</td>
<td>68585-47-7</td>
<td>3% - &lt; 5%</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>3% - &lt; 5%</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>3% - &lt; 5%</td>
</tr>
<tr>
<td>Sodium dodecylbenzene sulfonate</td>
<td>25155-30-0</td>
<td>1% - &lt; 3%</td>
</tr>
<tr>
<td>Tetrasodium salt of EDTA</td>
<td>64-02-8</td>
<td>1% - &lt; 3%</td>
</tr>
<tr>
<td>Urea</td>
<td>57-13-6</td>
<td>1% - &lt; 3%</td>
</tr>
<tr>
<td>d-Limonene</td>
<td>5989-27-5</td>
<td>&gt; 0.1% - &lt; 1%</td>
</tr>
<tr>
<td>Lemon terpenes</td>
<td>65996-98-7</td>
<td>&lt; 0.1%</td>
</tr>
</tbody>
</table>

*Exact percentages are being withheld as trade secret information*

**4. FIRST AID MEASURES**

**Undiluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

**Skin:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. If skin irritation or rash occurs: Get medical advice/attention.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Notes to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Most Important Symptoms/Effects:** No information available.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

**Diluted Product:**

**Eyes:** Rinse with plenty of water if irritation occurs and persists, get medical attention.

**Skin:** Rinse with plenty of water if irritation occurs and persists, get medical attention.

**Inhalation:** No specific first aid measures are required

**Ingestion:** Rinse mouth with water.
5. FIRE-FIGHTING MEASURES

Specific methods: No special methods required
Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.
Specific hazards: Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion. Corrosive material (See sections 8 and 10).

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOHS (approved or equivalent) and full protective gear.
Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Material is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES permit. Clean-up methods - large spillage. Use appropriate containment to avoid environmental contamination. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Mix only with water. Do not mix with any other product or chemical. May react to release hazardous gases. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. May vigorously react with acids resulting in spattering and excessive heat. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage: Keep tightly closed in a dry, cool and well-ventilated place. Protect from freezing. Store in a cool, dry, well ventilated area away from heat or open flame. Keep out of the reach of children.
Aerosol Level (if applicable): Not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: .

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ortho-benzyl-para-chlorophenol</td>
<td>120-32-1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ortho-phenylphenol</td>
<td>90-43-7</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>107-21-1</td>
<td>100 mg/m³ (Ceiling)</td>
<td>-</td>
</tr>
<tr>
<td>Sodium lauryl sulfate</td>
<td>68585-47-7</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>400 ppm (STEL)</td>
<td>400 ppm (TWA)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 ppm (TWA)</td>
<td>980 mg/m³ (TWA)</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>2 mg/m³ (Ceiling)</td>
<td>2 mg/m³ (TWA)</td>
</tr>
<tr>
<td>Sodium dodecylbenzene sulfonate</td>
<td>25155-30-0</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Tetrasodium salt of EDTA</td>
<td>64-02-8</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Urea</td>
<td>57-13-6</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>d-Limonene</td>
<td>5989-27-5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lemon terpenes</td>
<td>65996-98-7</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Undiluted Product: Engineering measures to reduce exposure: Good general ventilation should be sufficient to control airborne levels Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment
Eye protection: Chemical-splash goggles.
Hand protection: Chemical-resistant gloves. Includes Neoprene gloves.
Skin and body protection: If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection: If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
Hygiene measures: Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Diluted Product:
9. PHYSICAL AND CHEMICAL PROPERTIES:

- **Physical State**: Liquid
- **Evaporation Rate**: No information available
- **Odor threshold**: No information available.
- **Melting point**: Not determined
- **Autoignition temperature**: Not determined
- **Solubility in other solvents**: No information available
- **Density**: 9.26 lbs/gal 1.11 kg/L
- **Flash point**: 127 °F 53 °C
- **Density**: 9.26 lbs/gal 1.11 kg/L
- **Flash point**: 127 °F 53 °C
- **Vapor density**: No information available
- **Vapor pressure**: No information available.
- **Partition coefficient (n-octanol/water)**: No information available
- **Relative Density**: 1.11
- **Boiling point**: Not determined
- **Decomposition temperature**: No information available
- **Solubility**: Completely Soluble
- **Vapor density**: No information available
- **Viscosity**: No information available
- **VOC**: 4 % *
- **VOC % by wt. at use dilution**: 0.02 % *
- **pH**: 12.75
- **pH**: 12.75
- **Flash point**: Not determined
- **Metal Corrosion**: Not determined
- **Explosion limits**: - upper: Not determined - lower: Not determined
- **Hygiene measures**: Handle in accordance with good industrial hygiene and safety practice.

10. STABILITY AND REACTIVITY

- **Reactivity**: Not Applicable
- **Stability**: The product is stable
- **Possibility of hazardous reactions**: May vigorously react with acids resulting in spattering and excessive heat.
- **Hazardous decomposition products**: None known.
- **Materials to avoid**: Oxidizing agents. Acids. Do not mix with any other product or chemical unless specified in the use directions.
- **Conditions to avoid**: Do not freeze.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
- Eye contact, Skin contact, Inhalation, Ingestion

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

- **Skin contact**: Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).
- **Eye contact**: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.
- **Ingestion**: Causes burns/serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.
- **Inhalation**: May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.
- **Sensitization**: May cause an allergic skin reaction. Symptoms may include rash, hives, itching, bumps, redness, swelling, and/or discomfort.

Carcinogen Listings

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td></td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>d-Limonene</td>
<td>5989-27-5</td>
<td></td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

**Numerical measures of toxicity**

- **ATE - Oral (mg/kg)**: 3300
- **ATE - Inhalatory, mists (mg/l)**: >20
- **Percentage of unknown Acute Toxicity**: 1.53751

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12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.
Persistence and Degradability: No information available.
Bioaccumulation: No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes. This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations. This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Contaminated Packaging: Do not re-use empty containers.

RCRA Hazard Class (undiluted product): D002 Corrosive Waste D001 Ignitable Waste
RCRA Hazard Class (diluted product): Not Regulated

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: Please refer to the Diversey HazMat Library, only available through Internet Explorer, http://naextranet.diversey.com/dot/, for up to date shipping information.

DOT (Ground) Bill of Lading Description: LTD. QTY.

IMDG (Ocean) Bill of Lading Description: UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (phenolic compounds, sodium hydroxide), 8, III, LTD. QTY.

15. REGULATORY INFORMATION

International Inventories at CAS# Level
All components of this product are listed on the following inventories: U.S.A. (TSCA).

U.S. Regulations
EPA Reg. No.: 79627-6
This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER: CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear chemical splash-proof goggles and chemical resistant gloves when handling. Harmful if swallowed, absorbed through skin or inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

California Proposition 65: This product contains materials listed under California’s Proposition 65.
Ingredient(s)
Ortho-benzyl-para-chlorophenol - 120-32-1
Ortho-phenylphenol - 90-43-7

RIGHT TO KNOW (RTK)

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>MARTK:</th>
<th>NJRTK:</th>
<th>PARTK:</th>
<th>RIRTK:</th>
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<tbody>
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<td>Water</td>
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<td>-</td>
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<tr>
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<td>-</td>
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<td>X</td>
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</tr>
<tr>
<td>Ethylene glycol</td>
<td>107-21-1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sodium lauryl sulfate</td>
<td>68585-47-7</td>
<td>-</td>
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</tr>
<tr>
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<td>67-63-0</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sodium dodecylbenzene sulfonate</td>
<td>25155-30-0</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
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</table>

EXPOSE II 256 (US) 5 of 6
<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>CERCLA/SARA RQ (lbs)</th>
<th>Section 302 TPQ (lbs)</th>
<th>Section 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrasodium salt of EDTA</td>
<td>64-02-8</td>
<td>-</td>
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</tr>
<tr>
<td>Urea</td>
<td>57-13-6</td>
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<tr>
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<td>5989-27-5</td>
<td>-</td>
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<td>65996-98-7</td>
<td>-</td>
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**CERCLA/ SARA**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
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</tr>
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<tbody>
<tr>
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<td>10 - 20%</td>
<td>X</td>
<td></td>
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<td>5 - 10%</td>
<td>5000</td>
<td>X</td>
<td></td>
</tr>
<tr>
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<td>67-63-0</td>
<td>3% - &lt; 5%</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>3% - &lt; 5%</td>
<td>1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium dodecylbenzene sulfonate</td>
<td>25155-30-0</td>
<td>1% - &lt; 3%</td>
<td>1000</td>
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**Ingredient(s)**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAA HAP</th>
<th>CAA ODS</th>
<th>CWA Priority Pollutants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SARA 311/312 Hazard Categories**

- Immediate: x
- Delayed: -
- Fire: x
- Reactivity: -
- Sudden Release of Pressure: -

**Canadian Regulations**

WHMIS hazard class: Not for sale in Canada.

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>NPRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ortho-phenylphenol</td>
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<td>Isopropyl alcohol</td>
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<td>X</td>
</tr>
<tr>
<td>d-Limonene</td>
<td>5989-27-5</td>
<td>X</td>
</tr>
</tbody>
</table>

**16. OTHER INFORMATION**

**NFPA (National Fire Protection Association)**
Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

- Health 3
- Flammability 2
- Instability 0

**Version Number:** 2
**Preparation date:** 2015-02-18
**Reason for revision:** Not applicable
**Prepared by:** NAPRAC
**Additional advice:** • Contains an added fragrance, see "Odor" heading in section 9 for specific description

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