

**SAFETY DATA SHEET**

**Section 1 - Identification**


**Product Identifier** CITROL 100% Active / All Natural Citrus Degreaser Deodorant  
**Other means of identification** 1080  
**Recommended use** Degreaser.  
**Recommended restrictions** For commercial and industrial use only.

**Manufacturer / Importer / Supplier / Distributor Information**

**Company Name** National Chemical Laboratories of PA, Inc.  
**Address** 401 N. 10th Street - Philadelphia, PA 19123  
**Telephone** 1 (215) 922-1200  
**Supplier Email** info@nclonline.com  
**Contact** CHEM-TEL  
**Emergency Phone** 1 (800) 255-3924

**Section 2 - Hazard(s) Identification**

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

|  | <b>Classification</b>   | <b>Category</b> |
|--|---|-----------------|
| <b>Physical Hazards</b>                          | Flammable Liquids   | 3               |
| <b>Health Hazards</b>                            | Aspiration hazard   | 1               |
|  | Sensitization, skin   | 1               |
|  | Serious eye damage/eye irritation   | 1               |
|  | Skin corrosion/irritation   | 2               |
| <b>OSHA defined hazards</b>                      | Not Classified.   |                 |
| <b>Label Elements</b>                            |   |                 |
| <b>Hazard Symbol</b>                             |    |                 |
| <b>Signal Word</b>                               | Danger  |                 |
| <b>Hazard Statement</b>                          | Flammable liquid and vapor. Causes serious eye damage. Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.   |                 |
| <b>Precautionary statement</b>                   |   |                 |
| <b>Prevention</b>                                | Avoid breathing mist or vapor. Wear protective gloves/clothing and eye/face protection. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. |                 |
| <b>Response</b>                                  | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. In case of fire: Use appropriate media to extinguish.                   |                 |
| <b>Storage</b>                                   | Store in a well-ventilated place. Keep cool. Store locked up.   |                 |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.   |                 |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | Not classified.   |                 |

**Section 3 - Composition/Information on ingredients**

| <b>Mixture</b>              |                              |              |          |
|-----------------------------|------------------------------|--------------|----------|
| <b>Hazardous Components</b> | <b>Ingredient Name</b>       | <b>CAS #</b> | <b>%</b> |
|                             | Citrus, ext.                 | 94266-47-4   | 75 - 95  |
|                             | Alcohols, C12-13 Ethoxylated | 66455-14-9   | 5 - 15   |
|                             | Nonylphenol, ethoxylated     | 9016-45-9    | 5 - 10   |

**Section 4 - First-aid Measures**

**Inhalation** Move to fresh air. Get medical attention if irritation persists.

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|  |   |
|--|---|
| <b>Skin contact</b>  | Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if irritation persists.  |
| <b>Eye contact</b>   | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation persists.   |
| <b>Ingestion</b>   | Immediately rinse mouth and drink plenty of water. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. If person becomes uncomfortable seek medical advice. |
| <b>Most Important symptoms /effects, acute and delayed</b>             | Irritating and may cause redness and pain. May cause an allergic skin reaction.   |
| <b>Indication of immediate medical attention and special treatment</b> | Treat symptomatically.  |
| <b>General Information</b>   | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.  |

## Section 5 - Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Dry chemical, foam, carbon dioxide. Avoid using a direct stream of water.  |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |
| <b>Fire-fighting equipment /instructions</b>                         | Move containers from fire area if you can do it without risk. Cool material exposed to heat with water spray and remove it if no risk is involved. |

## Section 6 - Accidental release measures

|   |  |
|---|--|
| <b>Personal precautions, protective equipment and emergency procedures.</b> | Isolate area. Keep unnecessary personnel away. Ventilate the area. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).  |
| <b>Methods and materials for containment and cleaning up</b>                | SMALL SPILLAGE: Absorb spillage with suitable absorbent material. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water.<br>LARGE SPILLS: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water. |
| <b>Environmental precautions</b>  | Avoid discharge into drains, water courses or onto the ground.   |

## Section 7 - Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapor. Do not taste or swallow. Use with adequate ventilation. Wash thoroughly after handling. Use Personal Protective Equipment recommended in section 8 of the SDS. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store away from incompatible materials. Keep container closed.   |

## Section 8 - Exposure control/personal protection

|  |   |                                  |
|--|---|----------------------------------|
| <b>Occupational exposure limits</b>  | No exposure limits noted for ingredient(s).   |                                  |
| <b>US. Workplace environmental Exposure Level (WEEL) Guides</b>              |   |                                  |
| Component  | Type  | Value                            |
| Citrus, ext. (CAS 94266-47-4)  | TWA   | 165.5 mg/m <sup>3</sup> , 30 ppm |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |                                  |
| <b>Exposure guidelines</b>   | Use personal protective equipment as required. Keep working clothes separately.   |                                  |
| <b>Appropriate engineering controls</b>                                      | Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Provide easy access to water supply and eye wash facilities.  |                                  |
| <b>Individual protection measures, such as personal protective equipment</b> |   |                                  |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).   |                                  |
| <b>Skin protection</b>   |   |                                  |
| <b>Hand protection</b>   | Wear protective gloves. Nitrile gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.                    |                                  |
| <b>Other</b>   | Wear appropriate chemical resistant clothing.   |                                  |
| <b>Respiratory protection</b>  | Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.   |                                  |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.   |                                  |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |                                  |

## Section 9 - Physical and chemical properties

|                       |         |
|-----------------------|---------|
| <b>Appearance</b>     | Clear.  |
| <b>Physical state</b> | Liquid. |
| <b>Form</b>           | Liquid. |
| <b>Color</b>          | Orange. |
| <b>Odor</b>           | Citrus. |

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|  |                           |
|--|---------------------------|
| Odor threshold                               | Not available.            |
| pH   | Not available.            |
| Melting point/freezing point                 | Not available.            |
| Initial boiling point and boiling range      | 349 F (176.1 C)           |
| Flash point                                  | 122 F (50 C)              |
| Evaporation rate                             | 0.2 (n-butyl acetate = 1) |
| Flammability (solid, gas)                    | Not applicable.           |
| Upper/lower flammability or explosive limits |                           |
| Flammability limit - lower (%)               | Not available.            |
| Flammability limit - upper (%)               | Not available.            |
| Explosive limit - lower (%)                  | Not available.            |
| Explosive limit - upper (%)                  | Not available.            |
| Vapor pressure                               | <2 mm Hg (20 C/68 F)      |
| Vapor density                                | Not available.            |
| Relative density                             | 0.86 ± 0.01               |
| Relative density temperature                 | 75 °F (23.89 °C)          |
| Solubilities                                 | Soluable                  |
| Partition Coefficient n-octanol/water        | Not available             |
| Auto-ignition temperature                    | Not Available             |
| Decomposition temperature                    | Not Available             |
| Viscosity                                    | < 10 cP                   |
| Viscosity Temperature                        | 75 °F (23.89 °C)          |

## Section 10 - Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability                 | Stable at normal conditions.   |
| Possibility of hazardous reactions | Hazardous polymerization does not occur.   |
| Conditions to Avoid                | Contact with incompatible materials.   |
| Incompatible materials             | Strong oxidizing agents. Strong acids.   |
| Hazardous Decomposition Products   | None known   |

## Section 11 - Toxicological information

### Information on likely routes of exposure

|              |  |
|--------------|--|
| Ingestion    | May be harmful if swallowed. Swallowing or vomiting of the liquid may result in aspiration into the lungs.                                     |
| Inhalation   | Vapors and mist may irritate throat and respiratory system and cause coughing.   |
| Skin contact | Causes skin irritation. May cause sensitization by skin contact. Prolonged or repeated skin contact may cause drying, cracking, or irritation. |
| Eye contact  | Causes severe eye damage.  |

Symptoms related to the physical, chemical and toxicological characteristics  
Contact may cause irritation and redness. May cause an allergic skin reaction.

### Information on toxicological effects.

Acute toxicity May be harmful if swallowed.

| Components                                    | Level | Type       | Code | Species | Results  |
|---|-------|------------|------|---------|--|
| Alcohols, C12-13 Ethoxylated (CAS 66455-14-9) | Acute | Dermal     | LD50 | Rabbit  | 3300 mg/kg, 24 Hours                                     |
|   | Acute | Dermal     | LD50 | Rat     | > 2000 mg/kg, 24 Hours                                   |
|   | Acute | Inhalation | LC50 | Rat     | > 100 mg/m <sup>3</sup> , 6 Hours<br>> 1.6 mg/l, 4 Hours |
| Citrus, ext. (CAS 94266-47-4)                 | Acute | Dermal     | LD50 | Rabbit  | 5 g/kg   |
|   | Acute | Oral       | LD50 | Mouse   | 5600 - 6600 mg/kg  |
| Nonylphenol, ethoxylated (CAS 9016-45-9)      | Acute | Oral       | LD50 | Mouse   | 4290 mg/kg, bw   |

|                                    |  |
|------------------------------------|--|
| Skin corrosion/irritation          | Causes skin irritation.                  |
| Serious eye damage/ eye irritation | Causes serious eye damage.               |
| Respiratory sensitization          | Not classified.                          |
| Skin sensitization                 | May cause sensitization by skin contact. |
| Germ cell mutagenicity             | Not classified.                          |
| Carcinogenicity                    | Not classified.                          |
| Reproductive toxicity              | Not classified.                          |

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|   |  |
|---|--|
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.  |
| <b>Aspiration hazard</b>                                  | Harmful or fatal if swallowed, can enter lungs and cause damage. |
| <b>Chronic effects</b>                                    | Prolonged or repeated contact may dry skin and cause irritation. |
| <b>Further information</b>                                | No other specific acute or chronic health impact noted.          |

## Section 12 - Ecological Information

**Ecotoxicity** This product contains a substance which is very toxic to aquatic life with long lasting effects.

### Component(s)

Alcohols, C12-13 Ethoxylated, 66455-14-9

### Aquatic

|       |           |      |                                       |                           |
|-------|-----------|------|---------------------------------------|---------------------------|
| Acute | Crustacea | EC50 | Water flea (Daphnia magna)            | 0.39 -0.56 mg/l, 48 hours |
|       | Fish      | LC50 | Flathead minnow (Pimephales promelas) | 0.72 -2.7 mg/l, 96 hours  |

Nonylphenol, ethoxylated, 9016-45-9

### Aquatic

|       |           |      |                                |                       |
|-------|-----------|------|--------------------------------|-----------------------|
| Acute | Crustacea | EC50 | Daphnia magna                  | 65 mg/l, 48 hours     |
|       | Crustacea | EC50 | Water flea (Daphnia magna)     | 12.2 mg/l, 48 hours   |
|       | Fish      | LC50 | Bluegill (Iepomis macrochirus) | 1 - 1.8 mg/l 96 hours |

Citrus, ext., 94266-47-4

### Aquatic

|  |           |      |                                       |                              |
|--|-----------|------|---------------------------------------|------------------------------|
|  | Crustacea | EC50 | Water flea (Daphnia pulex)            | 69.6 mg/l, 48 hours          |
|  | Fish      | LC50 | Flathead minnow (Pimephales promelas) | 0.619 - 0.796 mg/l, 96 hours |

**Persistence and degradability** The product is expected to be biodegradable.

### Bioaccumulative potential

#### Partition coefficient n-octanol / water log (Kow)

| Components                    | Results |
|-------------------------------|---------|
| Citrus, ext. (CAS 94266-47-4) | 4.232   |

**Mobility in soil** No data available.

**Mobility in general** The product is water soluble and may spread in water systems.

**Other adverse effects** None known.

## Section 13 - Disposal considerations

|  |   |
|--|---|
| <b>Disposal instructions</b>                 | Dispose in accordance with applicable federal, state, and local regulations.                                |
| <b>Local disposal regulations</b>            | Dispose of in accordance with local regulations.  |
| <b>Hazardous waste code</b>                  | Not regulated.  |
| <b>Waste from residues / unused products</b> | Dispose in accordance with all applicable regulations.  |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. |

## Section 14 - Transport information

### DOT

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1993  |
| <b>Proper shipping name</b>         | FLAMMABLE LIQUID, N.O.S. (CITRUS TERPINES)                              |
| <b>Transport hazard class(es)</b>   | 3   |
| <b>Subsidiary class(es)</b>         | -   |
| <b>Packing group</b>                | III   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>           | B1, B52, IB3, T4, TP1, TP29   |
| <b>Packaging exemption</b>          | 150   |
| <b>Packaging non bulk</b>           | 203   |
| <b>Packaging bulk</b>               | 242   |

### IATA

|                                   |  |
|-----------------------------------|--|
| <b>UN number</b>                  | UN1993                                     |
| <b>UN proper shipping name</b>    | FLAMMABLE LIQUID, N.O.S. (CITRUS TERPINES) |
| <b>Transport hazard class(es)</b> | 3  |
| <b>Subsidiary class(es)</b>       | -  |
| <b>Packaging group</b>            | III  |
| <b>Labels required</b>            | 3  |
| <b>ERG Code</b>                   | 3L   |

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**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Other Information**

**IMDG**

**UN number** UN1993  
**UN proper shipping name** FLAMMABLE LIQUID, N.O.S. (CITRUS TERPINES)  
**Transport hazard class(es)** 3  
**Subsidiary class(es)** -  
**Packaging group** III  
**Labels required** 3  
**EmS** F-E, S-E

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code** This substance/mixture is not intended to be transported in bulk.

## Section 15 - Regulatory Information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)** Not regulated.  
**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not on regulatory list.  
**CERCLA Hazardous Substance List (40 CFR 302.4)** Not Listed  
**Superfund Amendments and Reauthorization Act of 1986 (SARA)**  

|                          |                   |     |
|--------------------------|-------------------|-----|
| <b>Hazard Categories</b> | Immediate Hazard  | Yes |
|                          | Delayed Hazard    | No  |
|                          | Fire Hazard       | Yes |
|                          | Pressure Hazard   | No  |
|                          | Reactivity Hazard | No  |

**SARA 302 Extremely hazardous substance** No  
**SARA 311/312 Hazardous chemical** Yes  
**SARA 313 (TRI reporting)** Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List** Not regulated.  
**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)** Not regulated.  
**Drug Enforcement Administration (DEA), List 1 2** Not regulated.  
**Exempt Chemical Mixtures (21 CFR 1310.12(c))**  
**DEA Exempt Chemical Mixtures Code Number** Not regulated.  
**Safe Drinking Water Act (SDWA)** Not regulated.  
**Food and Drug Administration (FDA)** Not regulated.

**US state regulations**

**US.Massachusetts RTK - Substance List** Not regulated.  
**US.New Jersey Worker and Community Right-to-Know Act** Not listed.  
**US.Pennsylvania RTK - Hazardous Substances** Not listed.  
**US.Rhode Island RTK** Not regulated.  
**US - California Proposition 65** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

| Country(s) or region      | Inventory Name   | On Inventory (yes/no)* |
|---------------------------|--|------------------------|
| Australia                 | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada                    | Domestic Substances List (DSL)   | No                     |
| Canada                    | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                     | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                    | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                    | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                     | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                     | Existing Chemicals List (ECL)  | No                     |
| New Zealand               | New Zealand Inventory  | Yes                    |
| Philippines               | Philippine Inventory of Chemicals and Chemical Substances              | Yes                    |
| Unites States Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | No                     |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

\*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## Section 16 - Other information, including date of preparation or last version

**Issue date** 2/17/2017

## SAFETY DATA SHEET

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|                            |   |
|----------------------------|---|
| <b>Version #</b>           | 2   |
| <b>Further information</b> | Not available.  |
| <b>References</b>          | HSDB - Hazardous Substances Data Bank   |
| <b>Disclaimer</b>          | <p>The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.</p> |