

**1. IDENTIFICATION**

**Product Identifier**

**Product Name** Cleanworks #13 Super Duty Degreaser

**Other means of identification**

**SDS #** CARROLL-187  
**Product Code** L13  
**UN/ID No** UN3266

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Cleaner/Degreaser.

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

**Supplier Address**

Carroll Co.  
2900 W. Kingsley Road  
Garland, TX 75041

**Emergency Telephone Number**

**Company Phone Number** 1-800-527-5722  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

**2. HAZARDS IDENTIFICATION**

**Appearance** Orange liquid

**Physical State** Liquid

**Odor** Fresh

**Classification**

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1                |

**Hazards Not Otherwise Classified (HNOC)**

May be harmful if swallowed

**Signal Word**

**Danger**

**Hazard Statements**

Causes severe skin burns and eye damage



**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a poison center or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 If skin irritation persists: Get medical advice/attention  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a poison center or doctor/physician  
 IF SWALLOWED: Call a poison center or doctor/physician  
 Rinse mouth  
 Do not induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name       | CAS No      | Weight-% |
|---------------------|-------------|----------|
| Potassium hydroxide | 1310-58-3   | <5       |
| Trade Secret        | Proprietary | <5       |
| Monoethanolamine    | 141-43-5    | <5       |
| Trade Secret        | Proprietary | <5       |
| Trade Secret        | Proprietary | <5       |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.    |
| <b>Skin Contact</b> | Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If irritation persists, seek medical attention. |
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.                                    |
| <b>Ingestion</b>    | Rinse mouth. Give large volumes of water. Do not induce vomiting. Get medical attention.  |

**Most important symptoms and effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Causes severe skin burns and eye damage. Ingestion will cause severe damage to the mouth, throat, esophagus, and stomach. Inhalation of mist may be irritating to respiratory tract. |
|-----------------|--|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Product is not flammable.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protection recommended in Section 8.

**Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** If product leaks or spills, flood area with water, mop up and dispose to sanitary sewer. Product may be neutralized with vinegar.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Do not destroy or deface the label.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store containers upright. Store locked up.

**Incompatible Materials** Strong acids. Attacks aluminum and galvanized metals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name                    | ACGIH TLV                    | OSHA PEL                               | NIOSH IDLH                   |
|----------------------------------|------------------------------|--|------------------------------|
| Potassium hydroxide<br>1310-58-3 | Ceiling: 2 mg/m <sup>3</sup> | (vacated) Ceiling: 2 mg/m <sup>3</sup> | Ceiling: 2 mg/m <sup>3</sup> |

|                              |                              |   |   |
|------------------------------|------------------------------|---|---|
| Trade Secret                 | TWA: 20 ppm                  | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 120 mg/m <sup>3</sup><br>(vacated) S*<br>S*                                      | IDLH: 700 ppm<br>TWA: 5 ppm<br>TWA: 24 mg/m <sup>3</sup>  |
| <b>Chemical Name</b>         | <b>ACGIH TLV</b>             | <b>OSHA PEL</b>   | <b>NIOSH IDLH</b>   |
| Monoethanolamine<br>141-43-5 | STEL: 6 ppm<br>TWA: 3 ppm    | TWA: 3 ppm<br>TWA: 6 mg/m <sup>3</sup><br>(vacated) TWA: 3 ppm<br>(vacated) TWA: 8 mg/m <sup>3</sup><br>(vacated) STEL: 6 ppm<br>(vacated) STEL: 15 mg/m <sup>3</sup> | IDLH: 30 ppm<br>TWA: 3 ppm<br>TWA: 8 mg/m <sup>3</sup><br>STEL: 6 ppm<br>STEL: 15 mg/m <sup>3</sup> |
| Trade Secret                 | 2 mg/m <sup>3</sup>          | 2 mg/m <sup>3</sup>   | -   |
| Trade Secret                 | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup>  | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup>  |
| Trade Secret                 | 15 mg/m <sup>3</sup>         | 15 mg/m <sup>3</sup>  | -   |

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Goggles.

**Skin and Body Protection** Rubber gloves.

**Respiratory Protection** Use in well-ventilated area.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

|                       |               |                       |                |
|-----------------------|---------------|-----------------------|----------------|
| <b>Physical State</b> | Liquid        | <b>Odor</b>           | Fresh          |
| <b>Appearance</b>     | Orange liquid | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Orange        |                       |                |

| <b>Property</b>                     | <b>Values</b>         | <b>Remarks • Method</b>          |
|-------------------------------------|-----------------------|----------------------------------|
| <b>pH</b>                           | 12.5 - 13.5           |                                  |
| <b>Melting Point/Freezing Point</b> | Not applicable        |                                  |
| <b>Boiling Point/Boiling Range</b>  | Not determined        |                                  |
| <b>Flash Point</b>                  | None (will not burn)  | Pensky-Martens Closed Cup (PMCC) |
| <b>Evaporation Rate</b>             | Not determined        |                                  |
| <b>Flammability (Solid, Gas)</b>    | Liquid-Not applicable |                                  |
| <b>Upper Flammability Limits</b>    | Not determined        |                                  |
| <b>Lower Flammability Limit</b>     | Not determined        |                                  |
| <b>Vapor Pressure</b>               | Not applicable        |                                  |
| <b>Vapor Density</b>                | Not determined        |                                  |
| <b>Specific Gravity</b>             | 1.07                  | (Water = 1)                      |
| <b>Water Solubility</b>             | Completely soluble    |                                  |
| <b>Solubility in other solvents</b> | Not determined        |                                  |
| <b>Partition Coefficient</b>        | Not determined        |                                  |
| <b>Auto-ignition Temperature</b>    | Not determined        |                                  |
| <b>Decomposition Temperature</b>    | Not determined        |                                  |
| <b>Kinematic Viscosity</b>          | Not determined        |                                  |
| <b>Dynamic Viscosity</b>            | Not determined        |                                  |
| <b>Explosive Properties</b>         | Not determined        |                                  |
| <b>Oxidizing Properties</b>         | Not determined        |                                  |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep separated from incompatible substances. Keep out of reach of children.

### Incompatible Materials

Strong acids. Attacks aluminum and galvanized metals.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |                                  |
|---------------------|----------------------------------|
| <b>Eye Contact</b>  | Causes severe eye damage.        |
| <b>Skin Contact</b> | Causes severe skin burns.        |
| <b>Inhalation</b>   | Avoid breathing vapors or mists. |
| <b>Ingestion</b>    | May be harmful if swallowed.     |

### Component Information

| Chemical Name                    | Oral LD50            | Dermal LD50                                  | Inhalation LC50                               |
|----------------------------------|----------------------|--|---|
| Potassium hydroxide<br>1310-58-3 | = 214 mg/kg ( Rat )  | -  | -   |
| Trade Secret                     | = 470 mg/kg ( Rat )  | = 2270 mg/kg ( Rat ) = 220 mg/kg ( Rabbit )  | = 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h |
| Trade Secret                     | = 1000 mg/kg ( Rat ) | -  | -   |
| Monoethanolamine<br>141-43-5     | = 1720 mg/kg ( Rat ) | = 1 mL/kg ( Rabbit ) = 1025 mg/kg ( Rabbit ) | -   |
| Trade Secret                     | = 600 mg/kg ( Rat )  | -  | -   |
| Trade Secret                     | -                    | = 1350 mg/kg ( Rabbit )                      | -   |
| Trade Secret                     | = 3100 mg/kg ( Rat ) | > 7940 mg/kg ( Rabbit )                      | -   |
| Trade Secret                     | = 1378 mg/kg ( Rat ) | > 2 g/kg ( Rabbit )                          | -   |
| Trade Secret                     | = 3184 mg/kg ( Rat ) | = 15440 mg/kg ( Rabbit )                     | -   |

|              |                     |   |   |
|--------------|---------------------|---|---|
| Trade Secret | = 500 mg/kg ( Rat ) | - | - |
| Trade Secret | = 10 g/kg ( Rat )   | - | - |

### Information on physical, chemical and toxicological effects

#### Symptoms

Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Carcinogenicity

Group 3 IARC components are "not classifiable as human carcinogens".

| Chemical Name | ACGIH | IARC    | NTP | OSHA |
|---------------|-------|---------|-----|------|
| Trade Secret  | A3    | Group 3 |     |      |

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### Component Information

| Chemical Name                    | Algae/aquatic plants                          | Fish  | Toxicity to microorganisms | Crustacea   |
|----------------------------------|---|---|----------------------------|---|
| Potassium hydroxide<br>1310-58-3 |   | 80: 96 h Gambusia affinis<br>mg/L LC50 static   |                            |   |
| Trade Secret                     |   | 1490: 96 h Lepomis<br>macrochirus mg/L LC50<br>static 2950: 96 h Lepomis<br>macrochirus mg/L LC50   |                            | 1698 - 1940: 24 h Daphnia<br>magna mg/L EC50 1000: 48<br>h Daphnia magna mg/L<br>EC50 |
| Monoethanolamine<br>141-43-5     | 15: 72 h Desmodesmus<br>subspicatus mg/L EC50 | 227: 96 h Pimephales<br>promelas mg/L LC50 flow-<br>through 3684: 96 h<br>Brachydanio rerio mg/L<br>LC50 static 300 - 1000: 96 h<br>Lepomis macrochirus mg/L<br>LC50 static 114 - 196: 96 h<br>Oncorhynchus mykiss mg/L<br>LC50 static 200: 96 h<br>Oncorhynchus mykiss mg/L<br>LC50 flow-through |                            | 65: 48 h Daphnia magna<br>mg/L EC50   |
| Trade Secret                     |   | 210: 96 h Brachydanio rerio<br>mg/L LC50 semi-static 210:<br>96 h Brachydanio rerio mg/L<br>LC50  |                            | 216: 96 h Daphnia magna<br>mg/L EC50  |
| Trade Secret                     |   | 45.4: 96 h Oncorhynchus<br>mykiss mg/L LC50 static  |                            |   |
| Trade Secret                     |   | 1650: 48 h Leuciscus idus<br>mg/L LC50  |                            |   |
| Trade Secret                     |   | 11619: 96 h Pimephales<br>promelas mg/L LC50 static   |                            | 10: 48 h Daphnia magna<br>mg/L EC50   |

|              |  |   |                                    |
|--------------|--|---|------------------------------------|
| Trade Secret | 29: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 10.8: 96 h Oncorhynchus mykiss mg/L LC50 static 3.5 - 10: 96 h Brachydanio rerio mg/L LC50 static | 5.88: 48 h Daphnia magna mg/L EC50 |
| Trade Secret | 1.01: 72 h Desmodesmus subspicatus mg/L EC50       | 41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static     | 610: 24 h Daphnia magna mg/L EC50  |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

| Chemical Name                    | Partition Coefficient |
|----------------------------------|-----------------------|
| Potassium hydroxide<br>1310-58-3 | 0.83                  |
| Trade Secret                     | 0.81                  |
| Monoethanolamine<br>141-43-5     | -1.91                 |

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

| Chemical Name                    | California Hazardous Waste Status |
|----------------------------------|-----------------------------------|
| Potassium hydroxide<br>1310-58-3 | Toxic<br>Corrosive                |
| Trade Secret                     | Toxic<br>Corrosive                |

### 14. TRANSPORT INFORMATION

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

UN/ID No UN3266  
 Proper Shipping Name Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide)  
 Hazard Class 8  
 Packing Group II

**IATA**

UN/ID No UN3266  
 Proper Shipping Name Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide)  
 Hazard Class 8  
 Packing Group II

**IMDG**

|                             |  |
|-----------------------------|--|
| <b>UN/ID No</b>             | UN3266   |
| <b>Proper Shipping Name</b> | Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide) |
| <b>Hazard Class</b>         | 8  |
| <b>Packing Group</b>        | II   |

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**International Inventories**

| Chemical Name       | TSCA    | DSL | NDSL | EINECS  | ELINCS | ENCS    | IECSC | KECL    | PICCS | AICS |
|---------------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Potassium hydroxide | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| Trade Secret        | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| Monoethanolamine    | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| Trade Secret        | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| Trade Secret        | Present | X   |      | Present |        | Present | X     | Present | X     | X    |

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations****CERCLA**

| Chemical Name                    | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|----------------------------------|--------------------------|----------------|---|
| Potassium hydroxide<br>1310-58-3 | 1000 lb                  |                | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |
| Trade Secret                     | 1000 lb                  |                | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |
| Trade Secret                     | 1000 lb                  |                | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**SARA 313**

| Chemical Name  | CAS No | Weight-% | SARA 313 - Threshold Values % |
|----------------|--------|----------|-------------------------------|
| Trade Secret - |        | <5       | 1.0                           |
| Trade Secret - |        | <1       | 1.0                           |

**CWA (Clean Water Act)**

| Chemical Name       | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Potassium hydroxide | 1000 lb                     |                        |                           | X                          |
| Trade Secret        | 1000 lb                     |                        |                           | X                          |
| Trade Secret        | 1000 lb                     |                        |                           | X                          |



**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name                    | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------|------------|---------------|--------------|
| Potassium hydroxide<br>1310-58-3 | X          | X             | X            |
| Trade Secret                     | X          | X             | X            |
| Monoethanolamine<br>141-43-5     | X          | X             | X            |
| Trade Secret                     | X          | X             | X            |
| Trade Secret                     |            | X             | X            |
| Trade Secret                     | X          |               | X            |
| Trade Secret                     | X          | X             | X            |

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

**NFPA****Health Hazards****Flammability****Instability****Special Hazards****HMS**

Not determined

Not determined

Not determined

Not determined

**Health Hazards****Flammability****Physical Hazards****Personal Protection**

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Revision Note: New format

**Disclaimer**

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 given is designed only as a 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 text.

**End of Safety Data Sheet**