SAFETY DATA SHEET
Cola®Carb TDC

1. Identification

Product identifier

Product name Cola®Carb TDC
Product number 3092

Recommended use of the chemical and restrictions on use

Application Surfactant
Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Manufacturer Colonial Chemical, Inc.
225 Colonial Drive
South Pittsburg, TN 37380
(423) 837-8800

Emergency telephone number

Emergency telephone (800) 424-9300

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2A - H319
Environmental hazards Not Classified

Label elements

Pictogram

Signal word Warning

Hazard statements H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 If on skin: Wash with plenty of water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
## Other hazards

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>CAS Number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), \alpha--(carboxymethyl)--omega- (tridecyloxy)-</td>
<td>60-100%</td>
<td>56388-96-6</td>
<td>Skin Irrit. 2 - H315, Eye Irrit. 2A - H319</td>
</tr>
</tbody>
</table>

#### Water

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>CAS Number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>5-10%</td>
<td>7732-18-5</td>
<td>Not Classified</td>
</tr>
</tbody>
</table>

#### Sodium chloride

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>CAS Number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>1-5%</td>
<td>7647-14-5</td>
<td>Not Classified</td>
</tr>
</tbody>
</table>

#### Sulfuric acid

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>CAS Number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid</td>
<td>&lt;1%</td>
<td>7664-93-9</td>
<td>Skin Corr. 1A - H314, Eye Dam. 1 - H318</td>
</tr>
</tbody>
</table>

#### Dichloroacetic acid

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>CAS Number</th>
<th>M Factor (Acute)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichloroacetic acid</td>
<td>&lt;0.1%</td>
<td>79-43-6</td>
<td>1</td>
<td>Skin Corr. 1A - H314, Eye Dam. 1 - H318, Aquatic Acute 1 - H400</td>
</tr>
</tbody>
</table>

The full text for all hazard statements is displayed in Section 16.

**Composition comments**

* The identity or exact percentage is withheld as a trade secret in accordance with 29 CFR 1910.1200.

### 4. First-aid measures

**Description of first aid measures**
Cola®Carb TDC

General information
Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion
Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Skin Contact
Rinse with water.

Eye contact
Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.

Protection of first aiders
First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
No specific symptoms known.

Ingestion
May cause irritation.

Skin contact
Redness. Irritating to skin.

Eye contact
Irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

5. Fire-fighting measures

Extinguishing media
Suitable extinguishing media
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards
Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products
Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters
Protective actions during firefighting
Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures
Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material.

Environmental precautions

Methods and material for containment and cleaning up

Methods for cleaning up
Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Do not use sawdust or other combustible material. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

Reference to other sections
For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions
Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists.

Advice on general occupational hygiene
Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions
Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class
Chemical storage.

Specific end uses(s)
The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits
sulfuric acid
Long-term exposure limit (8-hour TWA): OSHA 1 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH 0.2 mg/m³ thoracic fraction
A2
dichloroacetic acid
Long-term exposure limit (8-hour TWA): ACGIH 0.5 ppm 2.64 mg/m³
A3, Sk
Cola®Carb TDC

OSHA = Occupational Safety and Health Administration.
ACGIH = American Conference of Governmental Industrial Hygienists.
A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.
A2 = Suspected Human Carcinogen.
Sk = Danger of cutaneous absorption.

**sulfuric acid (CAS: 7664-93-9)**

Immediate danger to life and health

<table>
<thead>
<tr>
<th>Exposure controls</th>
<th>15 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate danger to life and health</td>
<td>15 mg/m³</td>
</tr>
</tbody>
</table>

**Exposure controls**

**Protective equipment**

**Appropriate engineering controls**

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection**

Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

**Hand protection**

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

**Other skin and body protection**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Hygiene measures**

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

**Respiratory protection**

Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

**Environmental exposure controls**

Keep container tightly sealed when not in use.

9. **Physical and Chemical Properties**

**Information on basic physical and chemical properties**

**Appearance**

Liquid.

**Color**

Colorless to pale yellow.

**Odor**

Characteristic.

**Odor threshold**

Not available.

**pH (1% aqueous in 10:6 IPA:H2O)**

2.5 - 3.5

**Melting point**

Not available.
Cola®Carb TDC

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial boiling point and range</td>
<td>&gt;110°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 93°C Pensky-Martens closed cup.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.01 g/cm³ @ 25°C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-Ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Other information</td>
<td>None.</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

**Reactivity**
See the other subsections of this section for further details.

**Stability**
Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

**Possibility of hazardous reactions**
No potentially hazardous reactions known.

**Conditions to avoid**
There are no known conditions that are likely to result in a hazardous situation.

**Materials to avoid**
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

**Hazardous decomposition products**
Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. Toxicological information

**Information on toxicological effects**

**Acute toxicity - oral**
**Notes (oral LD₅₀)**
Based on available data the classification criteria are not met.

**Acute toxicity - dermal**
**Notes (dermal LD₅₀)**
Based on available data the classification criteria are not met.

**Acute toxicity - inhalation**
**Notes (inhalation LC₅₀)**
Based on available data the classification criteria are not met.
Cola®Carb TDC

Skin corrosion/irritation
Corrosive to skin.

Serious eye damage/irritation
Causes serious eye irritation.

Respiratory sensitization
Based on available data the classification criteria are not met.

Skin sensitization
Based on available data the classification criteria are not met.

Germ cell mutagenicity
Genotoxicity - in vitro
Based on available data the classification criteria are not met.

Carcinogenicity
Based on available data the classification criteria are not met.

IARC carcinogenicity
Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.

Reproductive toxicity
Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure
Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure
Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard
Based on available data the classification criteria are not met.

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
No specific symptoms known.

Ingestion
May cause irritation.

Skin Contact
Redness. Irritating to skin.

Eye contact
Irritating to eyes.

Route of exposure
Ingestion Inhalation Skin and/or eye contact

Target Organs
No specific target organs known.

12. Ecological Information

Ecotoxicity
Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Toxicity
Based on available data the classification criteria are not met.

Persistence and degradability
The degradability of the product is not known.
Cola®Carb TDC

### Bioaccumulative potential

<table>
<thead>
<tr>
<th>Bio-Accumulative Potential</th>
<th>No data available on bioaccumulation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition coefficient</td>
<td>Not available.</td>
</tr>
<tr>
<td>Mobility</td>
<td></td>
</tr>
<tr>
<td>Mobility</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

### Other adverse effects

<table>
<thead>
<tr>
<th>Other adverse effects</th>
<th>None known.</th>
</tr>
</thead>
</table>

### 13. Disposal considerations

#### Waste treatment methods

**General information**

The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

<table>
<thead>
<tr>
<th>Disposal methods</th>
<th>Do not empty into drains.</th>
</tr>
</thead>
</table>

### 14. Transport information

**General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

<table>
<thead>
<tr>
<th>UN Number</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transport hazard class(es)</th>
<th>No transport warning sign required.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Transport labels</th>
<th>No transport warning sign required.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DOT transport labels</th>
<th>No transport warning sign required.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Packing group</th>
<th>Not applicable.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Environmental hazards</th>
<th>Environmentally Hazardous Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmentally Hazardous Substance</td>
<td>No.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special precautions for user</th>
<th>Not applicable.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DOT TIH Zone</th>
<th>Not applicable.</th>
</tr>
</thead>
</table>
Cola®Carb TDC

Transport in bulk according to
Annex II of MARPOL 73/78
and the IBC Code

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
The following ingredients are listed or exempt:
sulfuric acid
EPCRA 302 TPQ 1000 lbs Tier II TPQ 500 lbs

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
The following ingredients are listed or exempt:
sulfuric acid
Final CERCLA RQ: 1000(454) pounds (Kilograms)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed or exempt.

SARA 313 Emission Reporting
The following ingredients are listed or exempt:
sulfuric acid
1.0 %

CAA Accidental Release Prevention
None of the ingredients are listed or exempt.

FDA - Essential Chemical
None of the ingredients are listed or exempt.

FDA - Precursor Chemical
None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories
None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals
None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
The following ingredients are listed or exempt:
dichloroacetic acid
Known to the State of California to cause cancer and male reproductive toxicity.

California Air Toxics "Hot Spots" (A-I)
The following ingredients are listed or exempt:
sulfuric acid

California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances
The following ingredients are listed or exempt:
Cola®Carb TDC

sulfuric acid

Massachusetts "Right To Know" List
The following ingredients are listed or exempt:
sulfuric acid

Rhode Island "Right To Know" List
The following ingredients are listed or exempt:
sulfuric acid

Minnesota "Right To Know" List
The following ingredients are listed or exempt:
sulfuric acid

toxicology

New Jersey "Right To Know" List
The following ingredients are listed or exempt:
sulfuric acid
dichloroacetic acid

Pennsylvania "Right To Know" List
The following ingredients are listed or exempt:
sulfuric acid

Inventories
EU - REACH Exempt - Polymer

US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
None of the ingredients are listed or exempt.

Australia - AICS
All the ingredients are listed or exempt.

Japan - MITI
Not listed.

Korea - KECI
Not listed.

China - IECSC
All the ingredients are listed or exempt.

Philippines - PICCS
All the ingredients are listed or exempt.

New Zealand - NZIOC
All the ingredients are listed or exempt.

Taiwan - NECI
All the ingredients are listed or exempt.

16. Other information
Cola®Carb TDC

Classification abbreviations and acronyms
Eye Irrit. = Eye irritation
Skin Irrit. = Skin irritation

Training advice
Only trained personnel should use this material.

Issued by
Regulatory Affairs Department

Revision date
7/24/2018

Revision
7

Supersedes date
7/24/2018

SDS No.
5031

Hazard statements in full
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

End of SDS

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.