Section 1 - Identity

Identity (As Used on Label and List): Carbtrol Type: CSV, CV, CSL, CL, CAT2

Manufacturers Name: Carbtrol Corporation
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Tel: 800-242-1150
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Date Prepared: July 22, 2015

Section 2 - Hazardous Identification

2.1 GHS-US Classification

Eye Irritation 2B H320
STOT SE 3 H335

2.2 Label Elements

Hazard Pictograms
Signal word (GHS-US): Warning
Hazard Statements: H320- Causes eye irritation
: H335- May cause respiratory irritation
Precautionary statements (GHS-US):
: P261- Avoid breathing dust
: P264- Wash thoroughly after handling
: P271- Use in well-ventilated area
: P280- Wear protective gloves/clothing/eye & face protect
: P304&340: IF INHALED: Remove person to fresh air
: P305&351&P338: If in eyes, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
: P312- Call Poison Control Center/Doctor if you feel sick
: P403& P233- Store in well-ventilated place. Keep container tightly closed
: P405- Store locked up
: P501- Dispose of container to appropriate receptacle
2.3 Other Hazards
No additional information available

2.4 Unknown acute toxicity (GHS-US)
No data available

Section 3: Composition/information on ingredients
3.1 Substances
Not applicable

3.2 Mixture
Name | CAS # | % | GHS US classification
---|---|---|---
Carbon | 7440-44-0 | 100 | Not classified

Section 4 – First Aid Measures
4.1 Description of first aid measures
First aid after inhalation | Remove person to fresh air. If not breathing, administer CPR or artificial respiration. Get immediate medical attention.
First aid after skin contact | If skin reddening or irritation develops, seek medical attention
First aid after eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.
First aid after ingestion | If the material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting unless directed to do so by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries after inhalation | May cause respiratory irritation
Symptoms/injuries after skin contact | May cause skin irritation
Symptoms/injuries after eye contact | Causes serious eye damage
Symptoms/injuries after ingestion | May be harmful if swallowed

4.3 Indication of any immediate medical attention and special treatment needed
No additional information available.

Section 5: Firefighting measures
5.1 Extinguishing media
Suitable extinguishing media | If involved with fire, flood with plenty of water
Unsuitable extinguishing media | None

5.2 Special hazards arising from substance or mixture
Fire hazard | None known
Explosion hazard | None known
Reactivity | Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, etc. may result in fire.

5.3 Advice for firefighters
Protection during firefighting | Firefighters should wear full protective gear
Section 6: Accidental release measures
6.1 Personal precautions, protective equipment and emergency procedures

General measures
Avoid contact with the skin and eyes

6.1.1 For non-emergency personnel
No additional information available

6.1.2 For emergency responders
No additional information available

6.2 Environmental precautions
None

6.3 Methods and material for containment and cleaning up

For containment
If possible, stop flow of product

Methods for cleaning up
Shovel or sweep up and put in closed container for disposal

6.4 Reference to other sections
No additional information available

Section 7: Handling and storage
7.1 Precautions for safe handling
Precautions for safe handling
Avoid contact with eyes. Wet activated carbon removes oxygen from air causing severe hazard to workers inside carbon vessels or confined spaces

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions
Protect containers from physical damage. Store in dry, cool, well-ventilated area.

7.3 Specific end use(s)
No additional information available

Section 8: Exposure controls/ personal protection
8.1 Control parameters
No additional information available

8.2 Exposure controls

Appropriate engineering controls: Local exhaust and general ventilation must be adequate to meet exposure standards

Hand Protection: None required under normal product handling conditions

Eye Protection: safety glasses

Skin and body protection: Wear suitable working clothes

Respiratory protection: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection
Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Particulate</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Odor</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Ph</td>
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</tr>
<tr>
<td>Relative evaporation rate</td>
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</tr>
<tr>
<td>Melting point</td>
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<tr>
<td>Freezing point</td>
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<tr>
<td>Boiling point</td>
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</tr>
<tr>
<td>Flash point</td>
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</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
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<tr>
<td>Flammability (solid, gas)</td>
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<tr>
<td>Vapor Pressure</td>
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<tr>
<td>Relative Vapor density @ 20 deg C</td>
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</tr>
<tr>
<td>Relative Density</td>
<td>28-33 lb/ cubic foot</td>
</tr>
<tr>
<td>Solubility</td>
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<tr>
<td>Log Pow</td>
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<tr>
<td>Log Kow</td>
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</tr>
<tr>
<td>Viscosity, kinematic</td>
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</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
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</tr>
<tr>
<td>Oxidizing properties</td>
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</tr>
<tr>
<td>Explosive limits</td>
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</tr>
</tbody>
</table>

9.2 Other information
No additional information available

Section 10: Stability and reactivity

10.1 Reactivity
Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, etc. may result in fire

10.2 Chemical stability
Stable under normal conditions

10.3 Possibility of hazardous reactions
Will not occur

10.4 Conditions to avoid
None

10.5 Incompatible materials
Strong oxidizing and reducing agents such as ozone, liquid oxygen or chlorine.

10.6 Hazardous decomposition products
Carbon monoxide may be generated in the event of a fire.
Section 11: Toxicological information
11.1 Information on toxicological effects

Acute toxicity: Not classified

Carbon (7440-44-0)
LD50 oral rat: >10000 mg/kg
Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Causes eye irritation
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity: May cause respiratory irritation (single exposure)
Specific target organ toxicity: Not classified (repeated exposure)
Aspiration hazard: Not classified

Section 12: Ecological Information
12.1 Toxicity
No additional information available

12.2 Persistence and degradability
No additional information available

12.3 Bioaccumulative potential
No additional information available

12.4 Mobility in soil
No additional information available

12.5 Other adverse effects
No additional information available

Section 13: Disposal concerns
13.1 Waste treatment methods
Waste Disposal recommendations: Dispose of contents/container in accordance with local/ regional/ international regulations

Section 14: Transportation information
In accordance with DOT/ADR/RID/ADNR/IMDG/ICAO/IATA

14.1 UN Number
Not applicable. See Note 1 below.

14.2 UN proper shipping name
Not applicable

Note 1: Under the UN classification for activated carbon, all activated carbons have been identified as a class 4.2 product. However, This product has been tested according to the United Nations Transport of Dangerous Goods test protocol for a “self-heating substance” (United Nations Transportation of Dangerous Goods, Manual of Tests and Criteria, Part III, Section 33.3.1.6 - Test N.4 - Test Method for Self Heating Substances) and it has been specifically determined that this product does not meet the definition of a self heating substance (class 4.2)
or any other hazard class, and therefore should not be listed as a hazardous material. This information is applicable only for the Activated Carbon Product identified in this document.

Section 15: Regulatory information
15.1 US Federal regulations

Carbon (7440-44-0)
Listed on the United States TSCA inventory

15.3 US State regulations
No additional information available

Section 16: Other information

Full text of H-phrases:

Eye Irrit. 2B    Serious eye damage/eye irritation Category 2B
STOT SE 3      Specific target organ toxicity (single exposure) Category 3
H335          May cause respiratory irritation

NFPA health hazard : 1-Exposure could cause irritation but only minor residual injury even if no treatment is given
NFPA fire hazard : 0- Materials that will not burn
NFPA reactivity : 0- Normally stable, even under fire exposure conditions, and are not reactive with water

***The information contained herein is accurate to the best of our knowledge. Carbtrol Corporation makes no warranty with respect hereto said information and disclaims all liability from reliance there in.***