

**CAMERON/GREAT LAKES INC.**  
2335 NW 29<sup>th</sup> Ave. Portland, OR 97210  
PHONE: (503) 225-0501

## SAFETY DATA SHEET

### SECTION I

### Identity

**PRODUCT IDENTIFICATION:** CGL SERIES: CCS-CI CC-CI CP-CI Caustic impregnated activated carbon

**PRODUCT USE:** Use in accordance with manufacturer recommendations

**MANUFACTURER:** Cameron/Great Lakes, Inc.  
2335 NW 29<sup>th</sup> Ave.  
Portland, OR 97210

**TELEPHONE:** (503)225-0501

**EMERGENCIES:** (503) 225-0501

Date Prepared: 5/26/2015

### SECTION II

### Hazard(s) Identification

**Hazard Classification: GHS-US**

Eye Irritation	2A	H319
Respiratory Irritation	3	H335
Skin Irritation	2	H315
Aquatic toxicity	4	H413

**Signal Word:** Irritant

**Hazard Statement:** Contact may cause eye, and skin irritation: Dust may cause respiratory irritation. May cause long term harmful effects to aquatic life

**Hazard Pictogram:**



**Precautionary statements:**

P261	Avoid Breathing: dust/fume/gas/mist/vapor/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protections/face protection
P304/P340	If inhaled/Remove to fresh air
P305/P351/P338	If in eyes/rinse cautiously with water/ remove contact lenses if easy/continue rinsing
P337/P313	If eye irritation persist: get medical attention
P403/P233	Store in well ventilated place. Keep container tightly closed
P405	Store locked up
P501	Dispose container to appropriate receptacle

**Other Hazards:** The Potassium Hydroxide component of this product is classified as hazardous by OSHA.

**Acute Toxicity:** No data available

<b>SECTION III</b>	<b>Composition/Information on Ingredients</b>
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<b>Chemical Name</b>	<b>(CAS#)</b>	<b>%, wt.</b>	<b>Impurities</b>
Carbon	7440-44-0	≥ 85	None
Potassium Hydroxide	1310-58-3	≤ 15	None

<b>SECTION IV</b>	<b>First-Aid Measures</b>
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<b>Route(s) of Exposure</b>	<b>Symptoms</b>	<b>First Aid</b>
Inhalation	Dust may cause mild respiratory irritation	Remove to fresh air. Seek medical attention if irritation persists
Skin	Dust may cause mild irritation/reddening	Wash with soap & water; seek medical attention if irritation persists.
Eye	Dust may cause eye irritation and redness.	Flush with lukewarm water for at least 15 minutes. If irritation persists seek medical attention.
Ingestion	May cause digestive track irritation.	Drink plenty of water and seek medical attention.

<b>SECTION V</b>	<b>Fire Fighting Measures</b>
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<b>Suitable Extinguishing Media:</b>	Flood with plenty of water, use media suitable for surrounding the fire.
<b>Unsuitable Media:</b>	None known.
<b>Unusual fire &amp; explosion hazards:</b>	Contact with strong oxidizers may cause rapid combustion.
<b>Special Firefighting procedures:</b>	Exercise caution when responding to any chemical fire. Firefighters should wear full protective gear.

<b>SECTION VI</b>	<b>Accidental Release Measures</b>
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<b>Personal Precautions:</b>	Wear protective equipment, keep unnecessary personnel away.
<b>General precautions:</b>	Avoid contact with skin and eyes.
<b>Environmental Precautions:</b>	The impregnate on this product is water soluble – activated carbon is not. Dike all entrances to sewers and drains to avoid introduction into waterways.
<b>Containment &amp; Clean Up:</b>	Dike all entrances to sewers and drains. Sweep up and discard in protected refuse container.
<b>Other Information:</b>	Not applicable

<b>SECTION VII</b>	<b>Handling and Storage</b>
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<b>Safe Handling:</b>	Avoid prolonged contact with eyes and skin. Use in well ventilated areas. Wash after handling.
<b>Safe Storage:</b>	Store in a cool, dry and well ventilated area. Protect containers from physical damage. Keep away from oxidizers, heat and flame.

<b>SECTION VIII</b>	<b>Exposure Controls/Personal Protection</b>
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Component	OSHA PEL	ACGIH-TLV	Other Limits
Activated Carbon	Not Available	Not Available	
Alkali Potassium Salts	2mg/M <sup>3</sup> (Ceiling)	2mg/M <sup>3</sup> (Ceiling)	

<b>Engineering Guidelines</b>	Local exhaust and general ventilation to meet exposure standards. Wet activated carbon depletes oxygen from the air creating a severe hazard to workers in enclosed or confined spaces. Sampling and work procedures for low oxygen levels should be taken whenever workers entering carbon vessels, enclosed or confined spaces. If risk of overexposure exists, wear and approved respirator.
<b>Personal Protective Equipment</b>	Use NIOSH approved respirator if dust generated exceeds exposure limits. Gloves, safety glasses, work clothes as determined appropriate
<b>General Hygiene</b>	Keep away from food and beverages, remove contaminated clothing; wash hands before eating.

<b>SECTION IX</b>	<b>Physical &amp; Chemical Properties</b>
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<b>Physical State</b>	Solid	<b>Boiling point</b>	NA
<b>Appearance</b>	Granular/powder	<b>Flash Point</b>	NA
<b>Color</b>	Black	<b>Evaporation Rate</b>	NA
<b>Odor</b>	None	<b>Flammability (solid/gas) C</b>	No Data Available
<b>Odor Threshold</b>	None	<b>UEL</b>	NA
<b>Vapor Pressure</b>	0	<b>LEL</b>	NA
<b>pH</b>	NA	<b>Vapor Density</b>	Solid
<b>Relative Density</b>	32 – 35 lbs./ft <sup>3</sup>	<b>Partition Coefficient:</b>	NA
<b>Melting Point</b>	NA	<b>Auto ignition Temperature</b>	No data available
<b>Freezing Point</b>	NA	<b>Decomposition Temperature</b>	NA
<b>Solubility</b>	Impregnate is soluble	<b>Viscosity</b>	NA

<b>SECTION X</b>	<b>Stability &amp; Reactivity</b>
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Incompatibility: Chemical Stability: Conditions to Avoid: Materials to Avoid:  Hazardous Decomposition Products:	Strong oxidizers such as ozone or liquid oxygen, and chlorine Stable None Alkali metals, strong oxidizers such as ozone or liquid oxygen, and chlorine. Carbon Monoxide and carbon dioxide may be generated during combustion. Thermal oxidation can produce toxic fumes of potassium oxide.
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<b>SECTION XI</b>	<b>Toxicological Information</b>
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<b>Acute Effects</b>	
Oral LD50	Not Determined on finished product Potassium Hydroxide: LD <sub>50</sub> =273 mg/kg (rat)
Dermal LD 50	Not Determined
Inhalation	See Section IV
Ingestion	See Section IV
Eye Irritation	See Section IV
Skin Irritation	See Section IV
Sensitization	Not Determined

Signs and Symptoms of Exposure	Irritation and redness of eyes and skin. Dust may cause respiratory irritation
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<b>Chronic Effects:</b>	
Carcinogenicity	Not Determined
Mutagenicity	Not Determined
Reproduction Effects	Not Determined
Developmental Factors	Not Determined

<b>SECTION XII Ecological Information</b>
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Ecotoxicity	Not Determined on finished product Potassium Hydroxide: Mosquito Fish LC <sub>50</sub> =80.0 mg/l.
Persistence/Degradability	Not Determined
Bioaccumulation Potential	Not Determined
Mobility in Soil	Not Determined
Other Adverse Effects	Not Determined on finished product. If product gets wet potassium hydroxide may leach out.

<b>SECTION XIII Disposal Concerns</b>
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Vacuum or shovel material in a closed container. Dispose of in accordance with all applicable local, state, federal and international regulations.

<b>SECTION XIV Transport Information</b>
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UN Number: Not applicable  
UN Name: Not applicable

Ship in accordance with DOT/ADR/RID/ADNR/IMDP/ICAO/IATA

<b>SECTION XV Regulatory Information</b>
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SARA Title III 302	Products not listed
SARA Title III 313	Products not listed
TSCA	Products are listed
Canadian – WHMIS	Products are listed
DSL #	Products are listed

<b>SECTION XVI Other Information</b>
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The information and recommendations listed are believed to be true and accurate to the best of our knowledge as of the prepared date below. Cameron Great Lakes, Inc. makes no warranty with respect to same and disclaims all liability for reliance therein.

Date Prepared: May 26, 2015