



## Safety Data Sheet

**Product Names: AGC-30-CS-D, AGC-30-CSAD, AGC-30-CSAW, AGC-30-CSW, AGC-40-CS-D, AGC-40-CS-AD, AGC-40-CS-AW, AGC-40-CS-W, AGC-50-CS-D, AGC-50-CS-AD, AGC-50-CS-AW, AGC-50-CS-W, AGC-30-CS-MG, AGC-40-CS-MG**  
(Granular Activated Carbon)  
Effective date February 23, 2018

### Section 1: Identification

|    |                      |   |
|----|----------------------|---|
| 1a | Product Names        | ResinTech AGC-30-CS-D, AGC-30-CSAD, AGC-30-CSAW, AGC-30-CSW, AGC-40-CS-D, AGC-40-CS-AD, AGC-40-CS-AW, AGC-40-CS-W, AGC-50-CS-D, AGC-50-CS-AD, AGC-50-CS-AW, AGC-50-CS-W, AGC-30-CS-MG, AGC-40-CS-MG |
| 1b | Common Name          | Granular Activated Carbon   |
| 1c | Intended use         | Chlorine and organics removal from water  |
| 1d | Manufacturer Address | ResinTech, Inc.<br>160 Cooper Road,<br>West Berlin, NJ 08091 USA  |
|    | Phone                | 856-768-9600  |
|    | Email                | ixresin@resintech.com   |

### Section 2: Hazard Identification

2a OSHA Hazard classification Not hazardous or dangerous

| Product Hazard Rating | Scale          |
|-----------------------|----------------|
| Health = 0            | 0 = Negligible |
| Fire = 1              | 1 = Slight     |
| Reactivity = 0        | 2 = Moderate   |
| Special – N/A         | 3 = High       |
|                       | 4 = Extreme    |

2b Product description Black irregular pieces with little or no odor.

2c Precautions for use Safety glasses and gloves recommended. Wet carbon adsorbs oxygen from air and can cause a hazard in confined spaces. Avoid breathing dust when handling dry carbon. Dust mask or respirator recommended for poorly ventilated spaces.

2c Potential health effects Will cause eye irritation. Ingestion is not likely to pose a health risk. Dust may be mildly irritating.

2d Environmental effects Little or none.

**Section 2A: Hazard classification UN OSHA globally harmonized system**



**Warning (contains granular activated carbon)**

**H320: Causes eye irritation (Category 2B)**

**H335: May cause respiratory irritation (Category 3)\***

\* chronic risk from breathing dust

**Precautionary Statements**

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

P337+313: If eye irritation persists get medical advice/attention.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

Please refer to the safety data sheet for additional information regarding this product

ResinTech, Inc.  
160 Cooper Road  
West Berlin, NJ 08091-9234  
856 768-9600  
lxresin@resintech.com

### Section 3: Composition/ Information on Ingredients

|    |                 |                           |
|----|-----------------|---------------------------|
| 3a | Chemical name   | Granular Activated carbon |
| 3b | Ingredients     |                           |
|    | Granular Carbon | CAS# 7440-44-0 (80 - 98%) |
|    | Water           | CAS# 7732-18-5 (2 – 20%)  |

### Section 4: First Aid Measures

|    |             |  |
|----|-------------|--|
| 4a | Inhalation  | Dust may be mildly irritating to the upper respiratory tract.  |
| 4b | Skin        | Wash with soap and water - seek medical attention if a rash develops.  |
| 4c | Eye contact | Wash immediately with water - seek attention if discomfort continues.  |
| 4d | Ingestion   | No adverse effects expected for small amounts, larger amounts can cause stomach irritation. Seek medical attention if discomfort occurs. |

### Section 5: Fire Fighting Measures

|    |                          |  |
|----|--------------------------|--|
| 5a | Flammability             | NFPA Fire rating = 1   |
| 5b | Extinguishing media      | Water, CO2, foam, dry powder   |
| 5c | Fire fighting Procedures | Follow general fire fighting procedures indicated in the work place.   |
| 5d | Protective Equipment     | MSHA/NIOSH approved self-contained breathing gear, full protective clothing.   |
| 5e | Combustion Products      | Carbon oxides and other toxic gasses and vapors.   |
| 5f | Unusual Hazards          | Product is not combustible until moisture is removed. Carbon begins to burn at approximately 230° C. Auto ignition can occur above 500° C. |

## Section 6: Accidental Release Measures

|    |                           |  |
|----|---------------------------|--|
| 6a | Personal Precautions      | Wear gloves and safety glasses to minimize skin or eye contact.            |
| 6b | Incompatible Chemicals    | Strong oxidants can create risk of combustion products similar to burning, |
| 6c | Environmental Precautions | Keep out of public sewers and waterways.                                   |
| 6d | Containment Materials     | Use plastic, paper, or metal containers.                                   |
| 6e | Methods of Clean-up       | Sweep up material and transfer to containers.                              |

## Section 7: Handling and Storage

|    |          |   |
|----|----------|---|
| 7a | Handling | Avoid prolonged skin contact.   |
| 7b | Storage  | Store in a dry place (0° to 50° C) in the original shipping container. This product is not thermally sensitive. Freezing does not damage granular carbon. |

## Section 8: Exposure Controls/Personal Protection

|    |                              |   |
|----|------------------------------|---|
| 8a | OSHA exposure limits         | None noted.   |
| 8b | Engineering Controls         | Provide adequate ventilation.   |
| 8c | Personal Protection Measures |   |
|    | Eye Protection               | Safety glasses or goggles.  |
|    | Respiratory Protection       | Not required for normal use.  |
|    | Protective Gloves            | Not required for limited exposure but recommended for extended contact. |

## Section 9: Physical and Chemical Properties

|   |                                      |
|---|--------------------------------------|
| Appearance                              | Irregular black granular pieces.     |
| Flammability or explosive limits        | Flammable above 220° C               |
| Odor                                    | None                                 |
| Physical State                          | Solid                                |
| Vapor pressure                          | Not available                        |
| Odor threshold                          | Not available                        |
| Vapor density                           | Not available                        |
| pH                                      | Near neutral (6 to 8 typical)        |
| Relative density                        | Approx 400 grams/Liter               |
| Melting point/freezing point            | Does not melt or freeze.             |
| Solubility                              | Insoluble in water and most solvents |
| Boiling point                           | Does not boil                        |
| Flash point                             | >220° C                              |
| Evaporation rate                        | Does not evaporate                   |
| Partition Coefficient (n-octanol/water) | Not applicable                       |
| Auto-ignition temperature               | >220° C                              |
| Decomposition temperature               | Above 220° C                         |
| Viscosity                               | Not applicable                       |

## Section 10: Stability and Reactivity

|                              |  |
|------------------------------|--|
| 10a Stability                | Stable under normal conditions.  |
| 10b Conditions to Avoid      | Wet carbon adsorbs oxygen from air. Contact with strong oxidizing agents can cause rapid combustion. |
| 10c Hazardous by-products    | Carbon oxides, sulfur oxides, chlorinated hydrocarbons.  |
| 10d Incompatible materials   | Strong oxidizing agents (such as HNO <sub>3</sub> )  |
| 10e Hazardous Polymerization | Does not occur   |

## Section 11: Toxicological Information

|     |                           |   |
|-----|---------------------------|---|
| 11a | Likely Routes of Exposure | Oral, skin or eye contact.  |
| 11b | Effects of exposure       |   |
|     | Delayed                   | None known.   |
|     | Immediate (acute)         | None known.   |
|     | Chronic                   | None known.   |
| 11c | Toxicity Measures         |   |
|     | Skin Adsorption           | Unlikely.   |
|     | Ingestion                 | Oral toxicity believed to be low but no LD50 has been established.              |
|     | Inhalation                | Unknown, vapors are very unlikely due to physical properties (insoluble solid). |
| 11d | Toxicity Symptoms         |   |
|     | Skin Adsorption           | Mild rash.  |
|     | Ingestion                 | Indigestion or general malaise.   |
|     | Inhalation                | Dust is a respiratory irritant.   |
| 11e | Carcinogenicity           | None known  |

## Section 12: Ecological information

|     |                       |                                      |
|-----|-----------------------|--------------------------------------|
| 12a | Eco toxicity          | Not harmful to plant or animal life. |
| 12b | Mobility              | Insoluble.                           |
| 12c | Biodegradability      | Not biodegradable.                   |
| 12d | Bioaccumulation       | Insignificant.                       |
| 12e | Other adverse effects | Not Harmful to the environment.      |

### Section 13: Disposal Considerations

|     |                              |  |
|-----|------------------------------|--|
| 13a | General considerations       | Material is non-hazardous.   |
| 13b | Disposal Containers          | Most plastic and paper containers are suitable.                                |
| 13c | Disposal methods             | No specific method necessary   |
| 13d | Sewage Disposal              | Not recommended  |
| 13e | Precautions for incineration | May release toxic vapors when burned   |
| 13f | Precautions for landfills    | Carbon used to remove hazardous materials may then become a hazardous mixture. |

### Section 14: Transportation Information

|     |                      |  |
|-----|----------------------|--|
| 14a | Transportation Class | Not classified as a dangerous good for transport by land, sea, or air. |
| 14b | TDG                  | Not regulated.   |
| 14c | IATA                 | Not regulated.   |
| 14d | DOT (49 CFR 172.101) | Not Regulated.   |

### Section 15: Regulatory Information

|     |                                      |   |
|-----|--------------------------------------|---|
| 15a | CERCLA                               | Not regulated                             |
| 15b | SARA Title III                       | Not regulated                             |
| 15c | Clean Air act                        | Not regulated                             |
| 15d | Clean Water Act                      | Not regulated                             |
| 15e | TSCA                                 | Not regulated                             |
| 15f | Canadian Regulations<br>WHMIS<br>TDG | Not a controlled product<br>Not regulated |
| 15g | Mexican Regulations                  | Not Dangerous                             |

## **Section 16: Other Information**

The information provided in this safety data sheet is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty or guarantee of accuracy, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that their activities comply with federal, state, and local laws.

16a Date of Revision      31 March 2015