

# SAFETY DATA SHEET


**AGC-30-AD, AGC-30-AW, AGC-30-CA, AGC-30-D, AGC-30-W, AGC-40-AD, AGC-40-AW, AGC-40-C, AGC-40-CA, AGC-40-CTL, AGC-40-CENTAUR-AW, AGC-40-CENTAUR, AGC-40-CENTAUR-NDS, AGC-40-D, AGC-40-HP, AGC-40-MG, AGC-40-W, AGC-40-X, AGC-40-XA, AGC-40-XI, AGC-50-AD, AGC-50-AW, AGC-50-C, AGC-50-CA, AGC-50-CA-Si, AGC-50-D, AGC-50-W, AGC-PFx, AGC-30-CS-W, AGC-30-CS-AD, AGC-30-CS-AW, AGC-30-CS-D, AGC-30-CS-MG, AGC-40-CS-AD, AGC-40-CS-AW, AGC-40-CS-D, AGC-40-CS-W, AGC-50-CS-AD, AGC50-CS-AW, AGC-50-CS-D, AGC-50-CS-W**

(Granular Activated Carbon)

## SECTION 1: Identification

<b>1A: Product Names</b>	ResinTech AGC-30-AD, AGC-30-AW, AGC-30-CA, AGC-30-D, AGC-30-W, AGC-40-AD, AGC-40-AW, AGC-40-C, AGC-40-CA, AGC-40-CTL, AGC-40-Centaur-AW, AGC-40-CENTAUR, AGC-40-CENTAUR-NDS, AGC-40-D, AGC-40-HP, AGC-40-MG, AGC-40-W, AGC-40-X, AGC-40-XA, AGC-40-XI, AGC-50-AD, AGC-50-AW, AGC-50-C, AGC-50-CA, AGC-50-CA-Si, AGC-50-D, AGC-50-W, AGC-PFx, AGC-30-CS-W, AGC-30-CS-AD, AGC-30-CS-AW, AGC-30-CS-D, AGC-30-CS-MG, AGC-40-CS-AD, AGC-40-CS-AW, AGC-40-CS-D, AGC-40-CS-W, AGC-50-CS-AD, AGC50-CS-AW, AGC-50-CS-D, AGC-50-CS-W
<b>1B: Common Name</b>	Granular Activated Carbon
<b>1C: Intended use</b>	Chlorine and organics removal from water
<b>1D: Manufacturer Address</b>	ResinTech, Inc. 1801 Federal Street, Camden, NJ 08105 USA
<b>Contact Information:</b>	856-768-9600 ixresin@resintech.com

SECTION 2: Hazard Identification	
<b>2A: OSHA Hazard classification</b> 0 = Negligible 1 = Slight 2 = Moderate 3 = High 4 = Extreme	Not hazardous or dangerous Health - 0 (0 = Negligible) Fire - 1 (1 = Slight) Reactivity - 0 (0 = Negligible) Special - N/A

SECTION 2: Hazard Identification	
 <b>WARNING</b>	(contains Granular Activated Carbon) H320: Causes eye irritation (Category 2B) H335: May cause respiratory irritation (Category 3)* * chronic risk from breathing dust

SECTION 2: Hazard Identification Continued	
<b>Precautionary Statements</b>	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.
<b>2B: Product description</b>	Black irregular pieces with little or no odor.
<b>2C: Precautions for use</b>	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.

<b>SECTION 2: Hazard Identification Continued</b>	
<b>Potential health effects</b>	May cause eye irritation. Ingestion is not likely to pose a health risk. Dust may be mildly irritating.
<b>2D: Environmental effects</b>	Little or none.

<b>SECTION 3: Composition/ Information on Ingredients</b>	
<b>3A: Chemical name</b>	Granular Activated Carbon
<b>3B: Ingredients - Granular Activated Carbon</b>	CAS# 7440-44-0 (80 - 98%)
<b>Water</b>	CAS# 7732-18-5 (2 - 20%)

<b>SECTION 4: First Aid Measures</b>	
<b>4A: Inhalation</b>	Dust may be mildly irritating to the upper respiratory tract.
<b>4B: Skin</b>	Wash with soap and water- seek medical attention if a rash develops.
<b>4C: Eye contact</b>	Wash immediately with water- seek attention if discomfort continues.
<b>4D: Ingestion</b>	No adverse effects expected for small amounts, larger amounts can cause stomach irritation. Seek medical attention if discomfort occurs.

<b>SECTION 5: Fire Fighting Measures</b>	
<b>5A: Flammability</b>	NFPA Fire rating = 1
<b>5B: Extinguishing media</b>	Water, CO <sub>2</sub> , foam, dry powder
<b>5C: Fire fighting Procedures</b>	Follow general fire fighting procedures indicated in the work place.
<b>5D: Protective Equipment</b>	MSHA/NIOSH approved self-contained breathing gear, full protective clothing.
<b>5E: Combustion Products</b>	Carbon oxides and other toxic gasses and vapors.
<b>5F: Unusual Hazards</b>	Product is not combustible until moisture is removed. Carbon begins to burn at approximately 230° C. Auto ignition can occur above 500° C.

<b>SECTION 6: Accidental Release Measures</b>	
<b>6A: Personal Precautions</b>	Wear gloves and safety glasses to minimize skin or eye contact.
<b>6B: Incompatible Chemicals</b>	Strong oxidants can create risk of combustion products similar to burning.
<b>6C: Environmental Precautions</b>	Keep out of public sewers and waterways.
<b>6D: Containment Materials</b>	Use plastic, paper, or metal containers.
<b>6E: Methods of Clean-up</b>	Sweep up material and transfer to containers.

<b>SECTION 7: Handling and Storage</b>	
<b>7A: Handling</b>	Avoid prolonged skin contact.
<b>7B: Storage</b>	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 Activated carbon.

<b>SECTION 8: Exposure Controls/Personal Protection</b>	
<b>8A: Personal Precautions</b>	None noted.
<b>8B: Incompatible Chemicals</b>	Provide adequate ventilation.
<b>8C: Personal Protection Measures</b>	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.

<b>SECTION 9: Physical and Chemical Properties</b>	
<b>Appearance</b>	Irregular black granular pieces.
<b>Flammability or explosive limits</b>	Flammable above 220° C
<b>Odor</b>	None
<b>Physical State</b>	Solid
<b>Vapor pressure</b>	N/A
<b>Odor threshold</b>	N/A
<b>Vapor density</b>	N/A
<b>pH</b>	Near neutral (6 to 8 typical)

SECTION 9: Physical and Chemical Properties	
Relative density	Approx 400 grams/Liter
Melting point/freezing point	Does not melt, freezes at approx. 0 C
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	N/A

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: Combustion Products	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
11D: Toxicity Symptoms	Skin Adsorption - Mild rash. Ingestion - Indigestion or general malaise. Inhalation - Dust is a respiratory irritant.
11E: Carcinogenicity	None known

<b>SECTION 12: Ecological information</b>	
<b>12A: Eco toxicity</b>	Not harmful to plant or animal life.
<b>12B: Mobility</b>	Insoluble.
<b>12C: Biodegradability</b>	Not biodegradable.
<b>12D: Bioaccumulation</b>	Insignificant.
<b>12E: Other adverse effects</b>	Not Harmful to the environment.

<b>SECTION 13: Disposal Considerations</b>	
<b>13A: General considerations</b>	Material is non-hazardous.
<b>13B: Disposal Containers</b>	Most plastic and paper containers are suitable.
<b>13C: Disposal methods</b>	No specific method necessary
<b>13D: Sewage Disposal</b>	Not recommended
<b>13E: Precautions for incineration</b>	May release toxic vapors when burned
<b>13F: Precautions for landfills</b>	Carbon used to remove hazardous materials may then become hazardous mixtures.

<b>SECTION 14: Transportation Information</b>	
<b>14A: Transportation Class</b>	Not classified as a dangerous good for transport by land, sea, or air.
<b>14B: TDG</b>	Not regulated.
<b>14C: IATA</b>	Not regulated.
<b>14D: DOT (49 CFR 172.101)</b>	Not regulated.
<b>14E: IMDG</b>	Not regulated

<b>SECTION 15: Regulatory Information</b>	
<b>15A: CERCLA</b>	Not regulated
<b>15B: SARA Title III</b>	Not regulated
<b>15C: Clean Air act</b>	Not regulated
<b>15D: Clean Water Act</b>	Not regulated
<b>15E: TSCA</b>	Not regulated
<b>15F: Canadian Regulations</b>	WHMIS - Not a controlled product TDG - Not regulated
<b>15G: Mexican Regulations</b>	Not Dangerous

## SECTION 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features. 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.

<b>16A: Date of Revision</b>	1 January 2023
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