

**Chemcoat, Inc.**  
**"Consistent Coatings...Superior Service"**

PO Box 188, Montoursville PA 17754  
800-326-9471

**SAFETY DATA SHEET**

**Section 1 - Chemical Product and Company Information**

Product Name: AC WG-4 Gray Hybrid    Product Code: 41N-496A

Trade Name: AC WG 4 Hybrid

Manufactured by:

IN CASE OF EMERGENCY:

Chemcoat Inc.  
P.O. Box 188  
2790 Canfield Lane  
Montoursville, PA 17754

Chem-tel:  
800-255-3924

General information:  
800-326-9471

Product Use: For Industrial Use

**Section 2 - Hazards Identification**

**GHS Ratings:**

**GHS Hazards**

H302	Harmful if swallowed
H313	May be harmful in contact with skin
H320	Causes eye irritation
H335	May cause respiratory irritation

**GHS Precautions**

P102	Keep out of reach of children
P273	Avoid release to the environment
P281	Use personal protective equipment as required
P352	Wash with soap and water
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

**Signal Word: Warning**



### Section 3 - Composition / Information on Ingredients

**Note:** this product may contain pigments such as mineral silicates, silicone dioxide or titanium dioxide, which are not hazardous in wet paint. They may reach hazardous levels in dusts generated from sanding or grinding of dried paint.

Chemical Name	CAS number	Weight Concentration %
Calcium Carbonate	1317-65-3	25.19%
Titanium Dioxide	13463-67-7	3.99%
Hydrous Aluminum Silicate	1332-58-7	3.63%
n-Butoxyethanol	111-76-2	1.32%
Zinc Compound	7779-90-0	1.12%
Carbon Black	1333-86-4	0.48%

(1) IARC Monographs on the Evaluation of Carcinogenic Risks to Humans Volume 93 page 185: "Exposure to carbon black does not occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint."

(2) IARC Monographs on the Evaluation of Carcinogenic Risks to Humans Volume 93 page 272: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints."

### Section 4 - First Aid Measures

**INHALATION** - Move person to fresh air. If breathing has stopped, administer artificial respiration. Seek medical attention!

**EYE CONTACT** - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

**SKIN CONTACT** - In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.

**INGESTION** - Do not induce vomiting. This may cause chemical pneumonitis and pulmonary edema. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs. Seek immediate medical attention.

### Section 5 - Fire Fighting Measures

Flash Point: None

LEL: 1.00

UEL: 13.00

**Extinguishing Media:** Use carbon dioxide (CO<sub>2</sub>), foam, dry chemical, or water spray/water fog extinguishing system.

**Unusual Fire and Explosion Hazards:** Vapors may travel considerable distance by air and become ignited by ignition sources.

**Hazardous Combustion Products:** Oxides of carbon

**Fire Fighting Instructions:** Full protective equipment including self contained breathing apparatus should be used.

**Fire Equipment:** Water spray may not be effective, use fog nozzles

## Section 6 - Accidental Release Measures

**Spill and Leak Procedure:** Eliminate all ignition sources. Ventilate the area. Use appropriate respirator and protective clothing.

**Small Spills:** Contain spill areas with dikes. Recover spilled material into containers. Absorb remainder with absorbent material.

**Large Spills:** If small spill measures do not contain the spill, notify local authorities and/or the fire department.

## Section 7 - Handling and Storage

**Handling:** Avoid prolonged breathing or contact with product. Keep containers closed when not in use. Do not cut, drill, grind, or weld near containers even when empty. Use non-sparking tools when working around this material.

**Storage Requirements:** Protect from freezing. Keep containers closed when not in use. Keep away from excessive heat, open flames, or sparks.

**Regulatory Requirements:** Consult national, state and local environmental laws.

## Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Calcium Carbonate 1317-65-3	OSHA has set a TWA of 15 mg/m <sup>3</sup> on a total dust basis and 5 mg/m <sup>3</sup> on a respirable fraction basis.	ACGIH has set a TWA of 10 mg/m <sup>3</sup> (for dust containing no asbestos and <1% free silica).	The HSE has set a TWA of 10 mg/m <sup>3</sup> for total inhalable dust and 5 mg/m <sup>3</sup> for respirable dust. NIOSH has set a TWA of 10 mg/m <sup>3</sup> on a total dust basis and 5 mg/m <sup>3</sup> on a respirable fraction basis.
Titanium Dioxide 13463-67-7	The OSHA TWA is 10 mg/m <sup>3</sup> .	The ACGIH TLV is: 10 mg/m <sup>3</sup> (total dust containing no asbestos).	NIOSH REL = potential occupational carcinogen. The NIOSH IDLH = (Ca) 5,000 mg/m <sup>3</sup> . HSE TWA for titanium dioxide is 10 mg/m <sup>3</sup> (total dust) and 5 mg/m <sup>3</sup> (respirable fraction).
Hydrous Aluminum Silicate 1332-58-7	15 mg/m <sup>3</sup> (total dust)- TWA 8 hr 5 mg/m <sup>3</sup> (respirable dust)- TWA 8 hr	2 mg/m <sup>3</sup> (respirable dust)- TWA 8 hr	Not Established
n-Butoxyethanol 111-76-2	The Federal OSHA standard 50 ppm (240 mg/m <sup>3</sup> ) TWA averaged over an 8-hour workshift.	The ACGIH limit is 25 ppm (121 mg/m <sup>3</sup> )TWA averaged over an 8-hour workshift.	The NIOSH recommended airborne limit is 5 ppm (24 mg/m <sup>3</sup> )TWA averaged over a 10-hour workshift. They add the notation "skin" indicating the possibility of cutaneous absorption. The NIOSH IDLH level is 700 ppm.
Zinc Compound 7779-90-0	Not Established	Not Established	Not Established

Carbon Black 1333-86-4	The OSHA legal limit and ACGIH value is 3.5 mg/m3 TWA.	The OSHA legal limit and ACGIH value is 3.5 mg/m3 TWA.	NIOSH recommends that exposure to carbon black (as an occupational carcinogen) be limited to the lowest feasible concentrations. Also, NIOSH recommended airborne exposure limit is 0.1 mg (PHA)/m3 . The NIOSH IDLH is 1,750 mg/m3.
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**Ventilation:** Exhaust as required to keep exposure below Threshold Limit Values

**Protective Gear:** If ventilation equipment cannot control exposures below the TLV's, wear a properly fitted organic/particulate NIOSH/MSHA approved respirator. Wear rubber or neoprene protective gloves for repeated or prolonged skin contact. Wear safety glasses or face shield for eye protection.

## Section 9 - Physical and Chemical Properties

<p><b>Physical State</b> Liquid</p> <p><b>Vapor Pressure:</b> 1.3 mm Hg @ 20C</p> <p><b>Density:</b> 1.29</p> <p><b>Solvent based product</b> N/A</p> <p><b>freezing point</b></p> <p><b>Boiling range:</b> 100 - 3000°C</p> <p><b>Evaporation rate:</b> Slower than ether</p> <p><b>Lbs VOC/Gallon Solids</b> 0.52</p> <p><b>g/l VOC Less Exempt Less</b> 57.76</p> <p><b>Water</b></p> <p><b>% wt exempt</b> 0.00</p> <p><b>% Weight Solids</b> 53.30</p> <p><b>lbs/gal VOC as supplied</b> 0.23</p>	<p><b>Odor:</b> paint</p> <p><b>Vapor Density:</b> 3.4</p> <p><b>Formula Lb / Gal</b> 10.76</p> <p><b>Water based product</b> 32 F</p> <p><b>freezing point</b></p> <p><b>Flash point:</b> None</p> <p><b>Explosive Limits:</b> 1% - 13%</p> <p><b>Lbs/Gal VOC Less</b> 0.48</p> <p><b>H2O+Exempt</b></p> <p><b>Percent Weight Water</b> 44.54</p> <p><b>% Organic Sovent</b> 2.15</p> <p><b>% Volume Solids</b> 39.26</p>
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## Section 10 - Stability and Reactivity

**Stability:**

STABLE

**Incompatibility:** Strong acids or bases.

Strong oxidizing agents

**Hazardous Decomposition:** Oxides of carbon and nitrogen.

Oxides of carbon

Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

**Mixture Toxicity**

Inhalation Toxicity LC50: 1,665mg/L

**Component Toxicity**

111-76-2          n-Butoxyethanol

Oral LD50: 1,300 mg/kg (RAT) Dermal LD50: 2,000 mg/kg (RAT)

Routes of Entry:

Inhalation      Skin Contact      Eye Contact      Ingestion

Exposure to this material may affect the following organs:

Blood    Eyes      Kidneys    Liver      Lungs      Central Nervous System

**Effects of Overexposure**

Short Term Exposure

Inhalation may cause irritation to respiratory tract. Skin contact may cause irritation. Eye contact may cause irritation. Inhalation can cause irritation to nose. Eyes contact can cause irritation. Ingestion: Large amounts can cause irritability, nausea, dehydration and constipation. Estimated lethal dose is over 2 lb. Inhalation can cause irritation of the eyes and respiratory tract, causing cough and phlegm. Irritates the skin. Eye or skin contact with ammonia can cause irritation, burns, frostbite (anhydrous), and permanent damage. Irritates the respiratory tract causing coughing, wheezing and shortness of breath. Higher exposure can cause pulmonary edema, a medical emergency, that can be delayed for several hours and is life threatening. Exposure can cause headache, loss of sense of smell, nausea, and vomiting. Irritates the eyes, skin, and respiratory tract. Two fluid ounces (60 ml) has caused stupor which lasted for a few hours which was followed by complete recovery. This chemical irritates the eyes, skin, and respiratory tract. High exposure causes dizziness, lightheadedness, and unconsciousness. Higher exposures can cause pulmonary edema, a medical emergency that can be delayed for several hours. Exposure could cause central nervous system depression and liver and kidney damage

Long Term Exposure

Exposure to levels well above 3.5 mg/m<sup>3</sup> for several months may result in damage to the skin and nails, temporary or permanent damage to the lungs and breathing passages, and adversely affect the heart. Carbon Black containing PAH greater than 0.1% should be considered a suspect carcinogen. Lungs may be affected by repeated or prolonged exposure at very high concentrations: Some Carbon blacks may contain compounds which are carcinogenic and as organic extracts of these have been classified as possibly carcinogenic to humans, special care should be taken to avoid exposure to such extracts. Lung effects remain controversial and may be due to contaminants. It is probable that minor effects reported are non-specific effects associated with exposure to nuisance dusts in general. Polyaromatic hydrocarbons (PAH) are reportedly present in some carbon blacks. Depending on the process of manufacture, there are variations in their chemical compositions. Ingestion of more than 8 grams (1/3 ounce) a day can cause blood and kidney disorders. High exposures may cause lung irritation; bronchitis may develop. Continued exposure may result in emphysema, lung scarring, lung fibrosis, and tumors. A potential occupational carcinogen. Repeated exposure can cause chronic eye, nose, and throat irritation. Repeated lung irritation can result in bronchitis with coughing, shortness of breath, and phlegm. Levels of 170 ppm of ammonia vapor has caused mild changes in the spleens, kidneys and livers of guinea pigs. A mild allergen. Repeated or prolonged contact may cause skin sensitization and allergy. Therapeutic doses given for over a year have been associated with seizures; no further seizures occurred upon withdrawal of medication. The liquid defats the skin. This chemical can break down red blood cells, and cause anemia; effects the haematopoietic system, resulting in blood disorders. It can also damage the liver and kidneys.

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA, or ACGIH.

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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1333-86-4	Carbon Black	0.475	Carbon Black: Carbon black is listed as a Group 2B "Possible carcinogenic to humans" by IARC and is proposed to be listed as A4 "not classified as a human carcinogen" by ACGIH.
13463-67-7	Titanium Dioxide	3.99	Titanium Dioxide: Titanium dioxide is listed as a Group 2B "Possible carcinogenic to humans" by IARC.

## Section 12 - Ecological Information

**Ecotoxicity:** Protect environment from spills and releases.

### Component Ecotoxicity

## Section 13 - Disposal Considerations

**Disposal:** As the US EPA, state, local or other regulatory agency may have jurisdiction over the disposal of your facility's waste, it is incumbent on you, to learn and satisfy all the regulations which effect you. Dispose of in accordance to government regulations. Destroy by liquid incineration by certified environmental service group.

## Section 14 - Transport Information

Protect from freezing.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint * - Not required ** - Not regulated	Not req*		Not reg**

## Section 15 - Regulatory Information

Additional regulatory listings where applicable

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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### EU Risk Phrases

### Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

## Section 16 - Other Information

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

**HMIS & NFPA Hazard Rating**

**Legend**

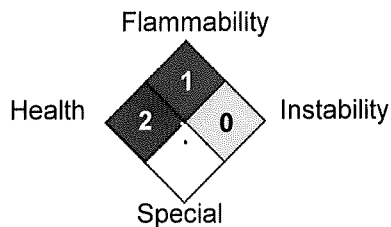
\* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH



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Date revised: 2017-04-03

Reviewer Revision

Date Prepared: 2/20/2018