

OLC 12X30 Safety Data Sheet

lssued: 04/20/2015 Supersedes: 12/30/2011 Version: 1.0

Product form : SUBstance CAS No : 7440-44-0 Product code : 12142 Synonyms : Advitedel Carlson 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture : Adsorbent 1.3. Details of the supplier of the safety data sheet Calgon Carbon Corporation PO-D Box 717 Pittshurgh, PA 15230 1.4. Emergency telephone number Emergency number : CHEMTREC (24 HRS): 1-800-424-8300 SECTION 2: Hazards Identification 2.1. Classification Conductification of the substance or mixture GH5-US classification Conductible Duat Not classified as a single asphysiant. Product does not displace oxygen in the ambient atmosphere, but slowly adsorbs oxygen from a con space when wet. Under conditions of anticipated and recommended use, product does not pase an asphysiation hazard. 2.2. Label elements GH5-US labeling Signal word (GH5-US) : May form combustible dust concentrations in air 2.3. Other hazards Other hazards not contributing to the space is required, procedures for work in an oxygen didicient environment should be for 2.4. Unknown acute toxicity (GH5-US) No data swallable SECTION 3: Composition/Information on Ingredients 3.1. Substance SECTION 4: First Aid Measures First-aid measures given if if NM ture Not applicable SECTION 4: First Aid Measures First-aid measures given if if NM tabeling. If I NMLED: Remove affected colding ad wash all exposed or concerned, get medical attention/advice. Show this safety data sheet to doctor in attendance. Wash contaminated during in the data for the shift attende with the shift in a down and the position for breakting SECTION 4: First Aid Measures First-aid measures given after inhalation First-aid measures after inhalation First-aid measures general 1.6 ND SNI (or confignity information to recent attendies of concorrend, get medical attention/advice. Show this safety data sheet to doctor to materia in recent and wash all exposed sheets in man confortable position for breakting	1.1. Product identifier			
CAS No : 7440-44-0 Product code : 12142 Synonyms : Activated Carbon 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture : Adsorbert 1.3. Relevant identified uses of the substance or mixture and uses advised against Calgon Carbon Corporation P.O. Box 717 Pittsburgh, PA 15230 1.4. Emergency telephone number : CHEMTREC (24 HRS): 1-800-424-8300 1.4. Unclassified as a single asphysiont. Product does not displace oxygen in the ambient atmosphere, but slowly adsorbs oxygen from a conspace when wet. Under conditions of anticipated and recommended use, product does not pase an asphysiation hazard. 2.1. Label elements GHS-US tabeling Signal Word (0HS-US) : May form combustible dust concentrations in air 2.3. Other hazards to continuoting to the ispace is required, procedures for work in an oxygen deficient environment should be for 2.4. Unknown acute toxicity (GHS-US) Notata available EECTION 3: Composition/Information on IngredientS 3.1. Substance VICA Signal Word (145-WS) Notata available EECTION 4: First Aid Measures First-aid measures general : If popsed or conserved, gri medical attention/advice. Show this safety data she to the doctor in attendance. Wash in confininated coloning and wash all exposed shin with wat is a start in mixeus at the mixeus. First-aid measures after inhalation : If NNELES. Immediately Hush with plenty of water for at least 15 minutes. First-aid measures after eve contact : IF NNELES. Immediately Hush with plenty of water for at least 15 minutes. First-aid measures after eve contact : IF NNELES. Immediat	Product name	: OLC 12X30		
Product code : 12142 Syrnoryms : Activate Carbon Jace delevant identified uses of the substance or mixture and uses advised against : Jace of the substance/mixture : Adsorbent Jace of the substance/mixture : Adsorbent Jace of the substance/orpration : 20. Box 717 Timburgh, PA 15230 117.7874700 : SECTION 2: Hazards Identification : 21. Classification of the substance or mixture : SHS-US classification : Dombustible Dust : Vict dassification of the substance or anticipated and recommended use, product does not pose an asphysiation hazard. 21. Label elements : SHS-US labeling : Bignal word (GHS-US) : 23. Other hazards : 24. Unknown acute toxiciy (GHS-US) : 24. Unknown acute toxiciy (GHS-US) : 25. Other hazards : 24. Unknown acute toxiciy (GHS-US) : 25. Other hazards : 26. Mixture davitable : 26. Mixture davitable : 26. Mixture davitable	Product form	: Substance		
synonyms : Activated Carbon : Relevant Identified uses of the substance or mixture and uses advised against is of the substance/mixture is the Adsorbert : Adsorbert : Adsorbert : Adsorbert : Adsorber : Adsorb	CAS No	: 7440-44-0		
2. Relevant identified uses of the substance or mixture and uses advised against Jae of the substance/mixture : Adsorbent 3. Details of the supplier of the safety data sheet Zigon Carbon Corporation : O Box 717 Yitsburgh, PA 15230 Intergency telephone number Emergency telephone number : CHEMTREC (24 HRS): 1-800-424-9300 SECTION 2: Hazards Identification				
Jae of the substance/mixture : Adsorbent	Synonyms	: Activated Carbon		
Sign Carbon Corporation 0.0 Box 717 VietSurgh, PA 15230 12-787-6700 4. Emergency telephone number Emergency number Classification of the substance or mixture SECTION 2: Hazards Identification Sign Carbon Corporation (Section of the substance or mixture) SECTION 2: Hazards Identification Sign Carbon Corporation (Section of the substance or mixture) SECTION 2: Hazards Identification Sign Carbon Corporation (Section of the substance or mixture) Section (Section of anticipated and recommended use, product does not pose an asphyxiation hazard. 2.1 Label elements Section (SHS-US) : May form combustible dust concentrations in air 3.3 Other hazards : Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclassification Section 3: Composition/Information on Ingredients : Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclassification Section 3: Composition/Information on Ingredients : Wet activated carbon (GAB-US) Section 4: Unknown acute toxicity (GHS-US) : (Carbon (GAB-UC) < 100			uses advised against	
Emergency number : CHEMTREC (24 HRS): 1-800-424-9300	Calgon Carbon Corporation P.O. Box 717 Pittsburgh, PA 15230	ıfety data sheet		
2.1. Classification of the substance or mixture GHS-US classification Combustible Dust Not dissified as a simple asphyxiant. Product does not displace oxygen in the ambient atmosphere, but slowly adsorbs oxygen from a conspace when wet. Under conditions of anticipated and recommended use, product does not pose an asphyxiation hazard. 2.2. Label elements GHS-US labeling Signal word (GHS-US) Signal word (GHS-US) May form combustible dust concentrations in air 2.3. Other hazards Dither hazards not contributing to the substance Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space standard carbon 8.1. Substance Name	• • •	: CHEMTREC (24 H	RS): 1-800-424-9300	
GHS-US classification Combustible Dust Not classified as a simple asphyxiant. Product does not displace oxygen in the ambient atmosphere, but slowly adsorbs oxygen from a conspace when wet. Under conditions of anticipated and recommended use, product does not pose an asphyxiation hazard. 2.2. Label elements GHS-US classified as a simple asphyxiant. Product does not displace oxygen in the ambient atmosphere, but slowly adsorbs oxygen from a conspace when wet. Under conditions of anticipated and recommended use, product does not pose an asphyxiation hazard. 2.2. Label elements GHS-US classification Warning 2.3. Other hazards 2.4. Unknown acute toxicity (GHS-US) 2.4. Unknown acute toxicity (GHS-US) No data available Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an endor space is required, procedures for work in an oxygen deficient environment should be for space available SECTION 3: Composition/Information on Ingredients 3.1. Substance % Activated Carbon (CAS No) 7440-44-0 <100	SECTION 2: Hazards Identification	on		
Combustible Dust Not classified as a simple asphyxiant. Product does not displace oxygen in the ambient atmosphere, but slowly adsorbs oxygen from a conspace when wet. Under conditions of anticipated and recommended use, product does not pose an asphyxiation hazard. 2.2. Label elements GHS-US labeling Signal word (GHS-US) : Warning Hazard statements (GHS-US) : May form combustible dust concentrations in air 2.3. Other hazards SECTION 3: Composition/Information on Ingredients 3.1. Substance Name Not applicable SECTION 4: First Aid Measures First-aid measures after inhalation : I FI NALED: Remove to fresh air and keep at rest in a comfortable position for breathin First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing ad wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN SKIN (or clothing): Remove affected clothing ad wash all exposed skin with wat least 15 minutes.	2.1. Classification of the substance	or mixture		
Not classified as a simple asphyxiant. Product does not displace oxygen in the ambient atmosphere, but slowly adsorbs oxygen from a conspace when wet. Under conditions of anticipated and recommended use, product does not pose an asphyxiation hazard. 2.2. Label elements GHS-US labeling Signal word (GHS-US) : Warning Hazard statements (GHS-US) : May form combustible dust concentrations in air 2.3. Other hazards SECTION 3: Composition/Information on Ingredients 3.1. Substance Name Activated Carbon C(AS No) 7440-44-0 C(AS	GHS-US classification			
space when wet. Under conditions of anticipated and recommended use, product does not pose an asphyxiation hazard. Image: Condition conditate conditate condition condition condition conditic	Combustible Dust			
GHS-US labeling Signal word (GHS-US) : May form combustible dust concentrations in air 2.3. Other hazards : Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclor space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for the space is required, procedures for work in an oxygen deficient environment should be for the space is required, procedures for work in an oxygen deficient environment should be for the space is required, procedures for work in an oxygen deficient environment should be for the space is required. 8.1. Substance Image: Space is the space is th				
Signal word (GHS-US) : Warning Hazard statements (GHS-US) : May form combustible dust concentrations in air 2.3. Other hazards : Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required. SECTION 3: Composition/Information Information on Ingredients (CAS No) 7440-44-0 (Description of first aid measures If	2.2. Label elements			
Hazard statements (GHS-US) : May form combustible dust concentrations in air 2.3. Other hazards : Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required. Product identifier 8.1. Substance Name Product identifier Activated Carbon (CAS No) 7440-44-0 3.2. Mixture Not applicable : SECTION 4: First Aid Measures : First-aid measures general : First-aid measures after inhalation : First-aid measures after skin contact : First-aid measures after eye contact : First-a	GHS-US labeling			
2.3. Other hazards Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed spaces is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for the procedures for work in an oxygen deficient environment should be for the procedure of the procedures for work in an oxygen deficient environment should be for the procedure of the procedure of the procedure of the procedures for work in an oxygen deficient environment should be for the procedure of th	Signal word (GHS-US)	: Warning		
Other hazards not contributing to the classification : Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for space is required, procedures for work in an oxygen deficient environment should be for the data available. SECTION 4: First Aid Measures If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person. First-aid measures after inhalation IF INHALED: Remove to fresh air and keep at rest in a comfortable	Hazard statements (GHS-US)	: May form combusti	ble dust concentrations in air	
classification space is required, procedures for work in an oxygen deficient environment should be for 2.4. Unknown acute toxicity (GHS-US) space is required, procedures for work in an oxygen deficient environment should be for 2.4. Unknown acute toxicity (GHS-US) space is required, procedures for work in an oxygen deficient environment should be for 2.4. Unknown acute toxicity (GHS-US) space is required, procedures for work in an oxygen deficient environment should be for Section 3: Composition/Information on Ingredients space is required, procedures for work in an oxygen deficient environment should be for 3.1. Substance Substance Name Product identifier % Activated Carbon (CAS No) 7440-44-0 < 100	2.3. Other hazards			
No data available SECTION 3: Composition/Information on Ingredients 3.1. Substance Name Product identifier % Activated Carbon (CAS No) 7440-44-0 < 100 3.2. Mixture CAs No) 7440-44-0 < 100	classification	space is required, p		
SECTION 3: Composition/Information on Ingredients Substance Name Product identifier % Activated Carbon (CAS No) 7440-44-0 < 100 3.2. Mixture Mixture Not applicable SECTION 4: First Aid Measures First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to th doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person. First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.	• •	JS)		
Substance Product identifier % Name (CAS No) 7440-44-0 < 100 Activated Carbon (CAS No) 7440-44-0 < 100 3.2. Mixture (CAS No) 7440-44-0 < 100 Not applicable SECTION 4: First Aid Measures SECTION 4: First Aid Measures If exposed or concerned, get medical attention/advice. Show this safety data sheet to th doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person. First-aid measures after inhalation : If INHALED: Remove to fresh air and keep at rest in a comfortable position for breathin First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.				
Name Product identifier % Activated Carbon (CAS No) 7440-44-0 < 100 3.2. Mixture Not applicable SECTION 4: First Aid Measures 4.1. Description of first aid measures First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to th doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person. First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathin First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.	SECTION 3: Composition/Inform	ation on Ingredients		
Activated Carbon (CAS No) 7440-44-0 < 100 3.2. Mixture Not applicable SECTION 4: First Aid Measures SECTION 4: First Aid Measures If exposed or concerned, get medical attention/advice. Show this safety data sheet to th doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person. First-aid measures after inhalation : If FINHALED: Remove to fresh air and keep at rest in a comfortable position for breathin First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.	3.1. Substance			
3.2. Mixture Not applicable SECTION 4: First Aid Measures 4.1. Description of first aid measures First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person. First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathin First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.	Name		Product identifier	%
Not applicable SECTION 4: First Aid Measures 4.1. Description of first aid measures First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person. First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathin First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.	Activated Carbon		(CAS No) 7440-44-0	< 100
SECTION 4: First Aid Measures 4.1. Description of first aid measures First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person. First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathin First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.	3.2. Mixture			
4.1. Description of first aid measures First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person. First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathin First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.	Natappliable			
4.1. Description of first aid measures First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person. First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathin First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.	Not applicable			
First-aid measures general: If exposed or concerned, get medical attention/advice. Show this safety data sheet to th doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person.First-aid measures after inhalation: IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathinFirst-aid measures after skin contact: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes.First-aid measures after eye contact: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.				
First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with wat least 15 minutes. First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.	SECTION 4: First Aid Measures			
First-aid measures after eye contact I least 15 minutes. First-aid measures after eye contact I F IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove con lenses if present and easy to do so. Continue rinsing.	SECTION 4: First Aid Measures 4.1. Description of first aid measure	: If exposed or conce doctor in attendance	e. Wash contaminated clothing before re-us	
lenses if present and easy to do so. Continue rinsing.	SECTION 4: First Aid Measures 4.1. Description of first aid measure First-aid measures general	: If exposed or conce doctor in attendanc unconscious perso	e. Wash contaminated clothing before re-us n.	e. Never give anything to an
04/20/2015 OLC 12X30 For Internal Use Only: PR #1 Page	SECTION 4: First Aid Measures 4.1. Description of first aid measure First-aid measures general First-aid measures after inhalation	 If exposed or conce doctor in attendanc unconscious perso IF INHALED: Remo IF ON SKIN (or closed) 	e. Wash contaminated clothing before re-us n. ove to fresh air and keep at rest in a comforta	e. Never give anything to an able position for breathing.
Product Code: 121/2	SECTION 4: First Aid Measures 4.1. Description of first aid measure First-aid measures general First-aid measures after inhalation First-aid measures after skin contact	 If exposed or conce doctor in attendance unconscious person IF INHALED: Remote IF ON SKIN (or clob least 15 minutes. IF IN EYES: Immediate 	e. Wash contaminated clothing before re-us n. bye to fresh air and keep at rest in a comfort thing): Remove affected clothing and wash a diately flush with plenty of water for at least 1	e. Never give anything to an able position for breathing. Il exposed skin with water for a

OLC 12X30

Product Code: 12142 Safety Data Sheet

4.2. Most important syn Symptoms/injuries	
Symptoms/injuries	ptoms and effects, both acute and delayed
	 Not expected to present a significant hazard under anticipated conditions of normal use. However, dust may cause irritation and redness of the eyes, irritation of the skin and respiratory system. The effects of long-term, low-level exposures to this product have not been determined.
4.3. Indication of any in No additional information avail	mediate medical attention and special treatment needed ble
SECTION 5: Firefightin	
5.1. Extinguishing med	
Suitable extinguishing media	: Water spray. Carbon dioxide. Dry chemical. Foam. Sand.
Unsuitable extinguishing media	: None known.
5.2. Special hazards ari	ing from the substance or mixture
Fire hazard	: Dust may be combustible under specific conditions. May be ignited by heat, sparks or flames.
Explosion hazard	: Dust may form explosive mixture in air.
Reactivity	: No dangerous reactions known under normal conditions of use. Carbon oxides may be emitted upon combustion of material.
5.3. Advice for firefight	rs
Firefighting instructions	: Wear NIOSH-approved self-contained breathing apparatus suitable for the surrounding fire. Use water spray or fog for cooling exposed containers. Evacuate area.
SECTION 6: Accidenta	Release Measures
6.1. Personal precautio	s, protective equipment and emergency procedures
General measures	: Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Product is not soluble, but can cause particulate emission of discharged into waterways. Dike all entrances to sewers and drains to avoid introducing material to waterways. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	:	Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Methods for cleaning up	•	Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust. Dispose of material in compliance with local, state, and federal regulations.

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 dust formation. Avoid contact with skin, eyes and clothing. Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep container tightly closed in a cool, dry, and well-ventilated place. Keep away from ignition sources.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Activated Carbon (7440-44-0)* OSHA PEL (TWA) (mg/m³) ≤ 5 (Respirable Fraction) ≤ 15 (Total Dust)

8.2.	Exposure controls	
Approp	riate engineering controls	: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas. Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be followed.
Persona	al protective equipment	: Gloves. Safety glasses. Insufficient ventilation: wear respiratory protection.
Hand p	rotection	 Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.
Eye pro	tection	: Use eye protection suitable to the environment. Avoid direct contact with eyes.
Skin an	d body protection	: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
Respira	tory protection	: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

*Exposure limits are for inert or nuissance dust. No specific exposure limits have been established for this activated carbon product by OSHA or ACGIH.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

	• •
Physical state	: Solid
Appearance	: Granular, powder, or pelletized substance
Color	: Black
Odor	: Odorless
Odor threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: No data available
Auto-ignition temperature	: >220 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: > 220 °C
Vapor pressure	: Not applicable
Relative vapor density at 20 °C	: Not applicable
Apparent density	: 0.4 - 0.7 g/cc
Solubility	: Insoluble.
Log Pow	: Not applicable
Log Kow	: Not applicable
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
0.2 Other information	

9.2. Other information

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

Product Code: 12142 Safety Data Sheet

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid dust formation. Heat. Ignition sources. Exposure to high concentrations of organic compounds may cause bed temperature to rise.

10.5. Incompatible materials

Alkali metals. Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO₂).

SECT	ON 11: Toxicological Information
11.1.	Information on toxicological effects

Acute toxicity	:	Not classified
Activated Carbon (7440-44-0)		
LD50 oral rat		> 2000 mg/kg
Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Silica: Crystalline, quartz (14808-60-7)		
IARC group		1 - Carcinogenic to humans
carcinogenic to humans (group 1). However th crystalline silica as a naturally occuring, bound	iese I im	(IARC) has classified "silica dust, crystalline, in the form of quartz or cristobalite" as warnings refer to crystalline silica dusts and do not apply to solid activated carbon containing purity. As such, we have not classified this product as a carcinogen in accordance with the US §1910.1200) but recommmend that users avoid inhalation of product in a dust form.
Reproductive toxicity		Not classified
Specific target organ toxicity (single exposure)	-	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified
Symptoms/injuries	:	Not expected to present a significant hazard under anticipated conditions of normal use. However, dust may cause irritation and redness of the eyes, irritation of the skin and respiratory

system. The effects of long-term, low-level exposures to this product have not been

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

determined.

SECTION 13: Disposal Considerations		
13.1. Waste treatment methods		
Waste treatment and disposal methods	: Vacuum or shovel material into a closed container. Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. Subject to Calgon Carbon technical approval, non-powdered activated carbons may be reactivated to allow recycle and reuse.	
Additional information	: Activated carbon is an adsorbent media; hazard classification is generally determined by the adsorbate. Consult U.S. EPA guidelines listed in 40 CFR 261.3 for more information on hazardous waste disposal.	
SECTION 14: Transport Information	n	
14.1. In accordance with DOT		
Not classified as hazardous for domestic land t	ransport	
UN-No.(DOT)	: None on finished product	
DOT NA no.	: None on finished product	
Proper Shipping Name (DOT)	: Not regulated	
Department of Transportation (DOT) Hazard	: None on finished product	

Classes		
Hazard labels (DOT)	:	None on finished product
Packing group (DOT)	:	None on finished product
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	None on finished product

14.2. Transport by sea

Not classified as hazardous for water transport	
IMO / IMDG	
UN/NA Identification Number	: None on finished product
UN- Proper Shipping Name	: Not regulated
Transport Hazard Class	: None on finished product

14.3. Air transport

Not classified as hazardous for air transport ICAO / IATA	
UN/NA No	: None on finished product
UN- Proper Shipping Name	: Not regulated
Transport Hazard Class	: None on finished product
Packing Group	: None on finished product
Marine Pollutant	: None on finished product

14.4. Additional information

Other information

: Under the UN classification for activated carbon, all activated carbons have been identified as a class 4.2 product. However, this product type or an equivalent has been tested according to the <u>United Nations Transport of Dangerous Goods</u> 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 type or an equivalent 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 DOT hazardous material.

SECTION 15: Regulatory Information

15.1. US Federal regulations

OLC 12X30

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt

Cobalt (7440-48-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313			
SARA Section 313 - Emission Reporting	0.1 %		

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65

WARNING: This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, birth defects, or other reproductive harm.

Silica: Crystalline, quartz (14808-60-7)						
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)		
Yes	No	No	No	NA		
Cobalt (7440-48-4)	1			L		
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)		
Yes	No	No	No	NA		
Titanium dioxide (13463-	67-7)	ł	- I	ł		
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)		
Yes	No	No	No	NA		

Aluminum oxide (1344-28-1)
U.S New Jersey - Right to Know Hazardous Substance List U.S Massachusetts - Right to Know List U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Calcium sulfate (7778-18-9)
U.S Massachusetts - Right to Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
Silica: Crystalline, quartz (14808-60-7)
U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List U.S Massachusetts - Right to Know List

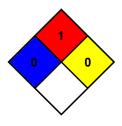
SECTION 16: Other Information

Indication of changes	:	Revision 1.0: New SDS Created.		
Revision Date	:	04/20/2015		
Other information	:	Author: CJS.		
For internal use only	:	PR #1		
Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations				

NFPA	health	hazard

NFPA fire hazard NFPA reactivity

- : 0 Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.
 : 1 Must be preheated before ignition can occur.
- : 0 Normally stable, even under fire exposure conditions, and are not reactive with water.



OLC 12X30 Product Code: 12142 Safety Data Sheet

HMIS III Rating	
Health	: 0
Flammability	: 1
Physical	: 0
Personal Protection	:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. The information is this document applies to this specific material as supplied. It may not be valid if product is used in combination with other materials. It is the user's responsibility to determine the suitability and completeness of this information for their particular use. While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Calgon Carbon Corporation makes no warranty with respect to the same, and disclaims all liability for reliance thereon.