MATERIAL SAFETY DATA SHEET (MSDS)
Activated Carbon Adsorbent

1. PRODUCT AND COMPANY IDENTIFICATION
Product Name: CONFIDENTIAL – SUPPLIED BY SENTRY AIR SYSTEMS, INC.
Use/Size: Adsorbents
Supplier: Sentry Air Systems, Inc.
Address: 6999 W. Little York, Ste. P1, Houston, TX 77040
Phone Number: 713.690.2153
Fax Number: 713.690.7872
Revision Date: April 1, 2009
MSDS Date: June 25, 2002

This MSDS has been compiled in accordance with -EC Directive 91/155/EC -OSHA’s Hazcom Standard (29 CFR 1910.1200)

2. COMPOSITION/INFORMATION ON THE COMPONENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS#/Codes</th>
<th>Concentration</th>
<th>R Phrases</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activated Carbon</td>
<td>7440-44-0</td>
<td>&gt;95%</td>
<td>R-None</td>
<td>None</td>
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<tr>
<td></td>
<td>231-153-3</td>
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3. HAZARD IDENTIFICATION
EU Main Hazards
Not classified as hazardous.

Routes of Entry
- Eye contact - Skin contact - Inhalation.
Carcinogenic Status
Not considered carcinogenic by NTP, IARC, and OSHA.
Target Organs
- Eye - Skin - Respiratory Tract.
Health Effects - Eyes
Contact may cause conjunctival irritation.
Health Effects - Skin
Material may cause irritation.
Health Effects - Ingestion
May cause irritation to gastrointestinal tract.
Health Effects - Inhalation
Exposure to dusts at high concentrations may cause irritation of nose throat and respiratory tract.
4. FIRST AID MEASURES

Eyes
Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin
Wash skin thoroughly with soap and water. Continue washing for at least 15 minutes. Seek medical attention if symptoms occur or redness persists.

Ingestion
Have victim drink 1-3 glasses of water to dilute stomach contents. Never administer anything by mouth if a victim is losing consciousness, is unconscious or is convulsing. Obtain medical attention immediately.

Advice to Physicians
Treat Symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media
Use water spray, foam, dry chemical or carbon dioxide.

Unusual Fire and Explosion Hazards
This product may give rise to hazardous fumes in a fire. Heavy carbon dust in air presents a dust explosion hazard.

Protective Equipment for Fire-Fighting
Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

This product may be collected by carefully scooping into a pan, paper towel or other absorbent material. Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Transfer into suitable containers for recovery or disposal. Wear appropriate protective clothing.

7. HANDLING AND STORAGE

Keep container tightly closed when not in use. Avoid buildup of static charge in handling equipment. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Storage area should be: - cool - dry - well ventilated - away from incompatible materials (see section 10 for materials to avoid).

Wet activated carbon removes oxygen from air causing a severe hazard (oxygen deficient atmosphere) to workers inside carbon vessels and enclosed or confined spaces. Establish Confined Space Entry Protocols before entering.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Standards
Exposure limits are listed below, if they exist.

Activated Carbon
ACGIH TLV: Graphite, all forms except graphite fibers: 2 mg/m³ (TWA). OSHA Permissible. Exposure Limits (PELs): activated carbon (graphite, synthetic): total particulate = 15 mg/m³ (TWA), respirable fraction = 5 mg/m³ (TWA). UK TWA: 4 mg/m³.

Engineering Control Measures
Good general room ventilation is expected to be adequate to control airborne levels. If conditions are dusty, use local exhaust ventilation.

Respiratory Protection
NIOSH Approved dust respirator if conditions are dusty.

Hand Protection
Rubber gloves.

Eye Protection
Chemical goggles or safety glasses with side shields.

Body Protection
Normal work wear.
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State  Amorphous Solid
Color Black
Odor Odorless
pH Slightly alkaline
Specific Gravity 0.4-0.6
Boiling Range / Point (°C) 4000
Flash Point (PMCC) (°C) 330
Explosion Limits (%) Not flammable
Vapor Pressure Not Applicable
Density 0.4-0.6 g/ml
Solubility in Water Insoluble
Vapor Density (Air = 1) Not Applicable
Melting Point (deg C) Not Applicable

10. STABILITY AND REACTIVITY

Stability
Stable under normal conditions.

Conditions to Avoid
- Heat - High temperatures.

Materials to Avoid
- Water reactive chemicals - strong oxidizers - strong acids.

Hazardous Polymerization
Will not occur.

Hazardous Decomposition Products
- Acrid smoke and irritating fumes - oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Low order of acute toxicity predicted.

Chronic Toxicity/Carcinogenicity
This product is not expected to cause long-term adverse health effects.

Genotoxicity
This product is not expected to cause any mutagenic effects.

Reproductive/Developmental Toxicity
This product is not expected to cause reproductive or developmental health effects.

12. ECOLOGICAL INFORMATION

Mobility
No relevant studies identified.

Persistence/Degradability
The product is readily biodegradable.

Bio-accumulation
Product is not expected to bioaccumulate.

Ecotoxicity
No relevant studies identified.

13. DISPOSAL
Dispose of in accordance with all applicable local and national regulations.
14. TRANSPORT INFORMATION

DOT CFR 172.101 Data Not Regulated
UN Proper Shipping Name Carbons made by steam activation process are not subject to the provision of UN Class 4.2
UN Class N/A
UN Number N/A
UN Packaging Group N/A
Classification for AIR Transportation (IATA) Not Restricted per Special Provision A3

15. REGULATORY INFORMATION

EU Label Information
Classification and labelling was performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

EU Hazard Symbol and Indication of Danger

R phrases
None.

S phrases
None.

US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

TSCA Listing
All ingredients were verified for inclusion on the EPA Toxic Substance Control Act Chemical Substance Inventory.

EINECS Listing
All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

DSL/NDSL (Canadian) Listing
All ingredients were verified for inclusion on either the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL).

WHMIS Classification
D.2.B
This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

California Proposition 65
This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

SARA Title III Sect. 302 (EHS)
This product does not contain any chemicals subject to SARA Title III Section 302.

SARA Title III Sect. 304
This product does not contain any chemicals subject to SARA Title III Section 304.

SARA Title III Sect. 311/312 Categorization
This product meets the following SARA Title III Section 311/312 categorizations: Acute Hazard.

SARA Title III Sect. 313
This product does not contain a chemical that is listed in Section 313 at or above de minimis concentrations.
16. OTHER INFORMATION

NFPA Ratings
NFPA Code for Flammability - 0
NFPA Code for Health - 1
NFPA Code for Reactivity - 0
NFPA Code for Special Hazards - 0

HMIS Ratings
HMIS Code for Flammability - 0
HMIS Code for Health - 1
HMIS Code for Reactivity - 0
HMIS Code for Personal Protection - See Section 8

Abbreviations
N/A: Denotes no applicable information found or available
CAS#: Chemical Abstracts Service Number
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer
R: Risk
S: Safety
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
BOD: Biological Oxygen Demand
KoC: Soil Organic Carbon Partition Coefficient

The information in this safety data sheet is based on the best knowledge and legislation available at the time. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application. As the specific conditions of use are outside the control of the supplier, the user is responsible for ensuring that the product is used in a safe way and in compliance with the relevant requirements of legislation.