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Supersedes Date: **January 17, 2000**

## MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION				
<b>Product Name</b>	DabOut			
<b>Product Code (Catalog Number)</b>	DO-C, DO-LVS-C			
<b>Product Category (Chemical Name)</b>	SolvCycle A			
<b>Product Appearance and Odor</b>	Black granular or powder, no odor.			
<b>Emergency Notification</b>	Chem-Tel 1-800-255-3924			
COMPONENTS AND HAZARD INFORMATION				
<b>Component</b>	<b>CAS No.</b>	<b>%</b>	<b>OSHA TWA</b>	<b>OSHA STEL</b>
Activated Carbon	7440-44-0		NA	NA
PHYSICAL DATA				
<b>THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.</b>				
<b>Boiling Range</b> NA	<b>Specific Gravity</b> 1.9-2.2	<b>Molecular Weight</b> NL	<b>Viscosity</b> NA	
<b>Percent Volatile by Volume</b> NA	<b>Vapor Pressure @20 C degrees</b> NA	<b>Vapor Density (Air = 1)</b> NA	<b>Pour, Congealing or Melting Point</b> NA	
<b>Solubility in Water @1 ATM and 25°C (77°F)</b> NA		<b>Evaporation Rate @1 ATM and 25°C (77°F) (n-Butyl Acetate =1)</b> NA		<b>pH</b> NA
FIRE AND EXPLOSION HAZARD INFORMATION				
<b>Flash Point (Minimum)</b> NA	<b>Autoignition Temperature</b> 350 °C	<b>Test Mode</b> NL	<b>LEL</b> NL	<b>UEL</b> NL
<b>Handling Precautions</b> None, as long as the cartridge is in tact. Dust from broken cartridges may cause the following: Eye irritation, minor irritation to respiratory system. (ACGIH, OSHA and other TLV are not applicable for this product)				
<b>Flammable or Explosive Limits (Approximate Percent by Volume in Air)</b> Stable under normal handling and storage conditions.				

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

<p><b>Extinguishing Media</b> Flood with plenty of water or inert gas such as N<sub>2</sub> and CO<sub>2</sub>.</p>
<p><b>Fire Fighting Procedures</b> None. Over heating can produce semi-liquid melt. Molten material can also contribute to spread of fire.</p>
<p><b>Decomposition Products Under Fire Condition</b> Possible fire combustion products: Alkybenzenes, vinylbenzenes, naphthalene, benzaldehydes, phenol, carbon dioxide, water, organic amines, ammonia, chlorine, nitrogen oxide, methyl chloride and minor amounts of hydrogen cyanide, or aldehydes.</p>
<p><b>“Empty” Container Warning</b> NE</p>
<p><b>Unusual Fire and Explosion Hazards</b> Warning: Strong oxidizing agents such as nitric acid or ozone may, under certain conditions, degrade the contents of the cartridge up to a explosive reaction.</p>
<p><b>HEALTH AND HAZARD INFORMATION</b></p>
<p><b>Variability Among Individuals</b> NE</p>
<p><b>Signs and symptoms of overexposure</b> Slight irritation of eyes and nose may result from contact.</p>
<p><b>Effects of Overexposure</b> NA</p>
<p><b>Nature of Hazard and Toxicity Information</b> NNR</p>
<p><b>Pre-existing Medical Conditions which may be Aggravated by Exposure</b> NA</p>
<p><b>Threshold Limit Value</b> NE</p>
<p><b>Health Hazards</b> Eye: May cause severe eye irritation. May cause moderate corneal injury. Effects are likely to heal Skin: Prolonged or repeated exposure not likely to cause significant skin irritation. May cause more severe response if skin is abraded. Ingestion: vapors are unlikely due to physical properties.</p>
<p><b>PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES</b></p>
<p><b>Eye Contact</b> Flush with plenty of water for as least 15 minutes.</p>
<p><b>Skin</b> Wash off with soap and water.</p>
<p><b>Inhalation</b> No adverse effects anticipated by this route of exposure.</p>

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**Ingestion**

No adverse effects anticipated by this route of exposure.

Note to physician: No specific antidote. Supportive care. Treatment based on the judgement of the physician in response to reaction of the patient.

**SEEK MEDICAL TREATMENT IF DISCOMFORT PERSISTS.**

### REACTIVITY

<b>Stability</b> Stable under normal conditions	<b>Incompatibility</b> Strong oxidizing agents such as nitric acid, ketone or ozone.	<b>Hazardous Decomposition Products</b> CO
<b>Conditions to Avoid</b> Generation of dust during and fines during handling of a broken cartridge.	<b>Hazardous Polymerization</b> Will not occur	<b>Materials to Avoid</b> See incompatibility statement

### ENVIRONMENTAL INFORMATION

**Steps to be Taken in Case Material is Released or Spilled**

Wear protective breathing filter and sweep up.

**Disposal**

Dispose in accordance with local, state and federal regulations. Incineration.

**Protective Gear**

Rubber gloves, Protective clothing, Safety glasses, If dust from a cartridge is present use a NIOSH approved particulate filter. Good general ventilation.

**Precautions to be taken in handling and storage**

Avoid breaking open the cartridge as dust may occur. Avoid possible sources of ignition.

**THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES.**

**Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102)**

NL

**Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304)**

NL

**Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313)**

NL

**Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312)**

NL

### PROTECTION AND PRECAUTIONS

**Ventilation**

Good general ventilation.

**Respiratory Protection**

No respiratory protection should be required.

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<b>Protective Gloves</b> Not needed with normal use.
<b>Eye Protection</b> Optional
<b>Other Protective Equipment</b> Safety shower and eye bath.
<b>TRANSPORTATION AND OSHA RELATED LABEL INFORMATION</b>
<b>Transportation Incident Information</b> Notify EPA.
<b>U.S. DOT Hazardous Materials Shipping Description</b> NL
<b>OSHA Required Label Information</b> NL

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