



J.T. Baker Inc.  
222 Red School Lane  
Phillipsburg, NJ 08865

24-Hour Emergency Telephone 908-859-2151  
National Response Center 800-424-8802  
Chemtrec 800-424-9300

National Response in Canada  
CANUTEC 613-996-6666

Outside U.S. and Canada  
Chemtrec 202-483-7616

**MATERIAL SAFETY DATA SHEET**

FICHE  
SIGNALÉTIQUE

HOJAS DE DATOS  
DE SEGURIDAD

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**(UPS)**

26150 -03  
Effective: 03/09/92

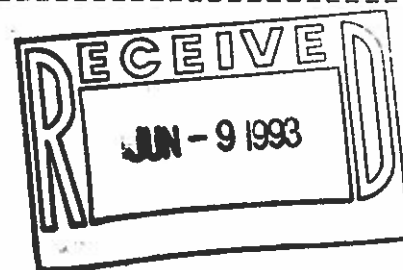
SOLUSORB<sup>R</sup> Solvent Adsorbent

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J.T. BAKER INC., 222 Red School Lane, Phillipsburg, NJ 08865

SECTION I - PRODUCT IDENTIFICATION

Product Name: SOLUSORB<sup>R</sup> Solvent Adsorbent  
Common Synonyms: N/A  
Chemical Family: Spill Clean-Up Products  
Formula: Proprietary Mixture  
Formula Wt.: N/A  
CAS No.: N/A  
NIOSH/RTECS No.: FF5250100  
Product Use: Laboratory Reagent  
Product Codes: 4437,4458



PRECAUTIONARY LABELING

SAF-T-DATA\* System

HEALTH	FLAMMABILITY	REACTIVITY	CONTACT
<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>
NONE	MODERATE	SLIGHT	SLIGHT

Laboratory Protective Equipment



U.S. Precautionary Labeling

WARNING!

COMBUSTIBLE. HARMFUL IF INHALED. CAUSES IRRITATION.  
Keep away from heat, sparks, flame. Avoid breathing dust. Keep in tightly closed container. Use with adequate ventilation. In case of fire, soak with water. In case of spill, sweep up and remove. Flush spill area with water.



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PRECAUTIONARY LABELING (CONTINUED)

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International Labeling

Avoid contact with eyes. After contact with skin, wash immediately with plenty of water. Keep container tightly closed.

SAF-T-DATA\* Storage Color Code: Red (flammable)

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SECTION II - COMPONENTS

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<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLU</u>
Graphite	7782-42-5	30-50	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>
Activated Carbon	7440-44-0	50-70	N/E	N/E

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SECTION III - PHYSICAL DATA

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Boiling Point: N/A

Vapor Pressure (mmHg): N/A

Melting Point: 3500°C (6332°F)  
(at 760 mm Hg)

Vapor Density (air=1): 0.4

Specific Gravity: 2.30  
(H<sub>2</sub>O=1)

Evaporation Rate: N/A

Solubility(H<sub>2</sub>O): Negligible (<0.1%)

% Volatiles by Volume: 0  
(21°C)

pH: N/A

Odor Threshold (ppm): N/A

Physical State: Solid

Coefficient Water/Oil Distribution: N/A

Appearance & Odor: Black powder. Odorless.



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SECTION IV - FIRE AND EXPLOSION HAZARD DATA  
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Flash Point (Closed Cup): N/A

Autoignition Temperature: N/A

Flammable Limits: Upper - N/A Lower - N/A

Fire Extinguishing Media

Use water spray, carbon dioxide, dry chemical or ordinary foam.

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

Usual Fire & Explosion Hazards

Contact with strong oxidizers may cause fire or explosion. Dust may form explosive mixture with air.

Toxic Gases Produced

carbon monoxide, carbon dioxide

Explosion Data-Sensitivity to Mechanical Impact

None identified.

Explosion Data-Sensitivity to Static Discharge

None identified.

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SECTION V - HEALTH HAZARD DATA  
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Threshold Limit Value (TLV/TWA): 10 mg/m<sup>3</sup>

TLV is for Nuisance dusts and particulates.

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): 15 mg/m<sup>3</sup>

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SECTION V - HEALTH HAZARD DATA (CONTINUED)

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Toxicity of components

Intravenous Mouse LD<sub>50</sub> for Activated Carbon 440 mg/kg  
Carcinogenicity: NTP: No IARC: No Z List: No OSHA Reg: No

Carcinogenicity  
None identified.

Reproductive Effects  
None identified.

Effects of Overexposure

INHALATION: irritation of upper respiratory tract, excessive inhalation is irritating, may cause respiratory system damage

SKIN CONTACT: none identified

EYE CONTACT: irritation

SKIN ABSORPTION: none identified

INGESTION: none identified

CHRONIC EFFECTS: none identified

Target Organs  
none identified

Medical Conditions Generally Aggravated by Exposure  
none identified

Primary Routes of Entry  
inhalation, eye contact

Emergency and First Aid Procedures

INGESTION: If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.

INHALATION: If a person breathes in large amounts, move the exposed person to fresh air.



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SECTION V - HEALTH HAZARD DATA (CONTINUED)

SKIN CONTACT: In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.

EYE CONTACT: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SARA/TITLE III HAZARD CATEGORIES and LISTS

Acute: No Chronic: Yes Flammability: Yes Pressure: No Reactivity: No

Extremely Hazardous Substance: No  
CERCLA Hazardous Substance: No  
SARA 313 Toxic Chemicals: No  
TSCA Inventory: Yes

SECTION VI - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur  
Conditions to Avoid: heat, flame, other sources of ignition, dusting  
Incompatibles: strong oxidizing agents  
Decomposition Products: carbon monoxide, carbon dioxide

SECTION VII - SPILL & DISPOSAL PROCEDURES

Steps to be Taken in the Event of a Spill or Discharge

Wear suitable protective clothing. Shut off ignition sources; no flares, smoking, or flames in area. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.



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SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

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Ventilation: Use general or local exhaust ventilation to meet TLV requirements.

Respiratory Protection: None required where adequate ventilation conditions exist. If airborne concentration exceeds TLV, a dust/mist respirator is recommended. If concentration exceeds capacity of respirator, a self-contained breathing apparatus is advised.

Eye/Skin Protection: Safety goggles, rubber gloves are recommended.

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SECTION IX - STORAGE AND HANDLING PRECAUTIONS

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SGT-T-DATA\* Storage Color Code: Red (flammable)

Storage Requirements

Keep container tightly closed. Store in cool, dry, well-ventilated area away from heat, sparks, or flame.

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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

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Domestic (D.O.T.)

Proper Shipping Name: CARBON, ACTIVATED  
Hazard Class: 4.2  
UN/NA: UN1362  
Labels: SPONTANEOUSLY COMBUSTIBLE  
Regulatory References: 49CFR 172.101; 173.162

Packaging Group: III

International (I.M.O.)

Proper Shipping Name: CARBON, ACTIVATED  
Hazard Class: 4.2  
UN: UN1362 Marine Pollutants: No  
Labels: SPONTANEOUSLY COMBUSTIBLE  
Regulatory References: 49CFR 172.102; Part 176; IMO

I.M.O. Page: 4224  
Packaging Group: III



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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (CONTINUED)

AIR (I.C.A.O.)

Proper Shipping Name: CARBON, ACTIVATED

Hazard Class: 4.2

UN: UN1362

Packaging Group: III

Labels: SPONTANEOUSLY COMBUSTIBLE

Regulatory References: 49CFR 172.101; 173.6; Part 175; ICAO/IATA=== We believe the transportation data and references contained herein to be factual and the opinion of qualified experts. The data is meant as a guide to the overall classification of the product and is not package size specific, nor should it be taken as a warranty or representation for which the company assumes legal responsibility.=== The information is offered solely for your consideration, investigation, and verification. Any use of the information must be determined by the user to be in accordance with applicable Federal, State, and Local laws and regulations. See shipper requirements 49CFR 172.3 and employee training 49CFR 173.1.

U.S. Customs Harmonization Number: 38239070005

N/A = Not Applicable or Not Available

N/E = Not Established

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, Baker cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. Baker warrants that the chemical meets the specifications set forth on the label.

BAKER DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD

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TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Baker will periodically revise this Material Safety Data Sheet.

Note: CHEMTREC, CANUTEC, and NATIONAL RESPONSE CENTER emergency telephone numbers are to be used ONLY in the event of CHEMICAL EMERGENCIES involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

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Approved by Quality Assurance Department.