



MATERIAL SAFETY DATA SHEET – August 13, 2002
GETTER: Packaged Adsorbent

SECTION I -- PRODUCT IDENTIFICATION

Trade Name and Synonyms:	Getter Can®, Getter Pak®, Activated Carbon
Chemical Family:	Carbon

SECTION II -- HAZARDOUS INGREDIENTS

Hazardous Components in the Solid Mixture

COMPONENT	CAS No.	OSHA/PEL	ACGIH/TLV
Particulate Dust	7440-44-0	10mg/m ³	10mg/m ³

SECTION III -- PHYSICAL DATA

Appearance and Odor	Black granular, solid, odorless.
Melting Point	N/A
Solubility in Water	Insoluble.
Bulk Density	0.52 g/ml; 32.4 lb/cu.ft. (ASTM D2854)
Percent Residual Moisture by Weight at 105 °C	Less than 5%.

SECTION IV -- FIRE EXPLOSION DATA

Fire and Explosion Hazard

Negligible fire and explosion hazard when exposed to heat or flame by reaction with incompatible substances. Activated carbon (U.N. No. 1362, IMCO Code No. 4.2) is not considered a spontaneously combustible material if made by steam activation, and therefore is not subject to provisions of IMCO Customs Tariffs Restrictions.

Flash Point

330 deg C min. (ASTM D3466)



MATERIAL SAFETY DATA SHEET – August 13, 2002
GETTER: Packaged Adsorbent

Firefighting Media

Dry chemical, water spray, or foam. For larger fires, use water spray fog or foam.

Firefighting

Nonflammable solids, liquids or gases: Cool containers that are exposed to flames with water from the side until well after fire is out. For massive fire in enclosed area, use unmanned hose holder or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of the tank due to fire.

SECTION V -- HEALTH HAZARD DATA

Health hazards may arise from inhalation, ingestion, and/or contact with the skin and/or eyes.

First Aid (Inhalation)

Remove to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

First Aid (Ingestion)

If large amounts have been ingested, give emetics to cause vomiting. Stomach siphon may be applied as well. Milk and fatty acids should be avoided. Get medical attention immediately.

First Aid (Eyes)

Wash eyes immediately and carefully for 30 minutes with running water, lifting upper and lower eyelids occasionally. Get prompt medical attention.

First Aid (Skin)

To avoid repeated or prolonged contact with this chemical, use good hygienic practices. Wash with soap and a large amount of water. Get medical attention if irritation or inflammation develops.

SECTION VI -- REACTIVITY DATA

Reactivity

Is stable under normal temperatures and pressures in sealed containers. Hazardous polymerization will not occur.

Incompatibilities

Avoid contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc.



MATERIAL SAFETY DATA SHEET – August 13, 2002
GETTER: Packaged Adsorbent

SECTION VII -- SPILL OR LEAK PROCEDURES

Notify safety personnel of spills or leaks. Clean-up personnel need protection against inhalation of dusts or fumes. Eye protection is required. Vacuuming and/or wet methods of cleanup are preferred. Place in appropriate containers for disposal, keeping airborne particulates at a minimum.

Disposal

Consult applicable local, state, and federal regulations to select the method of disposal. Recover metal components by reprocessing whenever possible.

SECTION VIII -- SPECIAL PROTECTION INFORMATION

Respiratory Protection

Provide a NIOSH/MSHA jointly approved respirator in the absence of proper environmental control. Contact your safety equipment supplier for proper mask type.

Ventilation

Provide general and/or local exhaust ventilation to keep exposures below the TLV. Ventilation used must be designed to prevent spots of dust accumulation or recycling of dusts.

Protective Clothing

Wear protective clothing, including long sleeves and gloves, to prevent repeated or prolonged skin contact.

Eye Protection

Chemical splash goggles designed in compliance with OSHA regulations are recommended. Consult your safety equipment supplier.

The information contained herein is based upon data considered true and accurate. However, United Desiccants makes no warranties expressed or implied, as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. The information is offered solely for the user's consideration, investigation, and verification. Since the use and conditions of use of this information and the material described herein are not within the control of United Desiccants, United Desiccants assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to United Desiccants' Terms and Conditions of Sale, including those limiting warranties and remedies contained therein. It is the responsibility of the user to determine whether any use of the data and information is in accordance with applicable federal, state or local laws and regulations.