



MATERIAL SAFETY DATA SHEET

SECTION 1 - COMPANY INFORMATION

Atak ST
 TDG Class: Not Controlled
Supplier name and address:
 Corporate Chemicals & Equipment
 7 Neilson Street
 St. Catharines, ON L2M 5V9
 (905) 682-8888

Manufacturer's name and address
 Refer to Supplier



Emergency Telephone# CANUTEC (613) 996-6666

SECTION 2 - HAZARDOUS INGREDIENTS

Components not listed are either non hazardous or in concentration of less than 1%

Bacterial Cultures

Blend of naturally occurring ingredients as a carrier including: corn and rice hulls

Soda Ash CAS 497-19-8

Disodium Phosphate CAS 7558-79-4

Sodium Bicarbonate CAS 144-55-8

Surfactant	% Conc.	Classification	Exposure	CAS	EINECS
CAS N/A					
Hazardous ingredients / impurity					
None					

SECTION 3 - HAZARDS IDENTIFICATION

Classification:

Bacterial culture non pathogenic

SECTION 4 - FIRST AID MEASURES

Immediate medical attention is required in case of exposure by inhalation, contact with skin or eyes, or if swallowed. Exposure Route	Symptom	Treatment
Inhalation	Same as exposure to dust.	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
Skin Contact	Redness and irritation	Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin are damaged or if irritation persists seek medical attention.
Eye Contact	Same as dust	Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.



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Ingestion

Irritation of gastrointestinal tract, nausea, diarrhea

Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishers: water

Hazardous Combustion Products: none in normal use. Large dust accumulations can be explosive, similar to a grain dust explosion.

Special Equipment for Fire Fighting: self contained breathing apparatus

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate PPE - See section 8

Environmental Precautions: The bacteria and carriers are naturally occurring and should not pose an environmental risk.

Clean up Procedure: Vacuum or sweep up avoiding generation of dust. Place in suitable labelled containers and hold for waste disposal. Wash spill site with water. If bacterial contamination is an issue use chlorine to kill the bacillus spores.

SECTION 7 - HANDLING AND STORAGE

Handling Ventilation: Good general ventilation.

Recommended procedures & equipment: avoid creating dust

Storage Temperature range: 0 deg C to 40 deg C for product viability only.

Humidity range: less than 40% for long term exposure of unprotected product for product viability only.

Keep away from: See section 10

Suitable storage Media: original container with closed lid

Precautions against static discharge: recommended.

SECTION 8 - EXPOSURE CONTROLS & PROTECTIVE EQUIPMENT

Exposure standards:	LTEL (8h TWA)	STEL (15 mins)	Type
Component			
None			
Personal Protective Equipment: Respiratory:		Dust mask	
Hand:		Wash hands after use. Gloves recommended	
Eye:		Safety glasses or goggles recommended.	
Skin:		Wash after exposure. Overalls and boots recommended	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown free-flowing powder
Odor	Yeast like odor
pH	Neutral 6.0 to 7.0 in water dispersion
Boiling Point/range	Not Applicable
Melting Point/range	Not Applicable
Flash point	Not Applicable
Flammability	Not flammable under normal conditions of



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Autoignition temperature	storage and handling.
Explosive limits	Not Applicable
Oxidizing Properties	Na except in presence of large dust cloud
Vapour Pressure	Non
Relative density	Not Applicable
Solubility in water	0.6 to 0.8
Solubility in solvent	Not soluble. Disperses in water.
Partition coefficient	Not soluble
Viscosity	Not Applicable
Vapour density	Not Applicable
Evaporation rate	Not Applicable
Conductivity	Not Applicable

SECTION 10 - REACTIVITY & STABILITY DATA

Stability: Stable under normal storage and handling conditions.

Conditions to avoid: Accumulations of product in enclosed spaces and generation of dust.

Materials to avoid: Acids and Alkalies may inactivate the bacterial cultures.

Hazardous decomposition products: oxides of carbon

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxological effects: Low Acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin and mucous membranes. May cause irritation from allergic reaction, especially to people that have a history of allergic reaction.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Effects: Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organisms. The carriers are naturally occurring materials.

Mobility: disperses in water

Degradability: contents are biodegradable

Bioaccumulative potential: Not Known

Aquatic Toxicity: Not Known

SECTION 13 - WASTE DISPOSAL

Substance: Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Container: As substance.

SECTION 14 - TRANSPORTATION INFORMATION

UN number	Class
Primary Hazard	Subsidiary Hazard
Packing Group	Emergency Action Code
H.I. Number	Marine Pollutant
Proper Shipping name	Water treatment compounds, bacterial culture.



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SECTION 15 - REGULATORY INFORMATION

Prepared by: Technical Dept.

Telephone: (905) 682-8888

SECTION 16 - OTHER INFORMATION

References: Suppliers Material Safety Data Sheets.

Preparation Date: July 1/2011

NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)