

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER → VACUSELTZER PLUS ENZYMATIC CLEANER		PRODUCT IDENTIFICATION NUMBER (PIN) VACUSELTZER PLUS	
PRODUCT USE → VACUSELTZER PLUS Enzymatic cleaner is a special cleaner for suction systems			
MANUFACTURER'S NAME Air Techniques, Inc.		SUPPLIER'S NAME Air Techniques, Inc.	PRIMARY EMERGENCY CONTACT CHEMTREC 1-800-424-9300
STREET ADDRESS 70 Cantiague Rock Road		STREET ADDRESS 70 Cantiague Rock Road	
CITY Hicksville	PROVINCE NY	CITY Hicksville	PROVINCE NY
POSTAL CODE USA - 11801	TELEPHONE NO. USA/516/433-7676	POSTAL CODE USA - 11801	TELEPHONE NO. USA/516/433-7676

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	OSHA PEL	ACGIH TLV	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES)
Na ₄ -ethylenedi-aminetetraacetate	2 - 5	64-02-8	N/A	N/A	> 1000 mg/kg (rat, oral)	
Sodium carbonate	5 - 15	497-19-8	N/A	N/A	4090 mg/kg (rat, oral)	
Alcohol ethoxylate	1 - 3	-	N/A	N/A	> 2000 mg/kg (rat, oral)	
Enzyme	1 - 3	9014-01-1	60 ng/m ³	60 ng/m ³	no data	

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE solid - powder	ODOUR AND APPEARANCE yellowish, odour like lemon			ODOUR THRESHOLD (ppm) N/A
VAPOUR PRESSURE (mm Hg) N/A	VAPOUR DENSITY (AIR = 1) N/A	EVAPORATION RATE N/A	BOILING POINT (° C) N/A	FREEZING POINT (° C) N/A
pH approx. 9.2 (10 g/l H ₂ O)	SPECIFIC GRAVITY approx. 780 kg/m ³	COEFF. WATER/OIL DIST. N/A		

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF YES, UNDER WHICH CONDITIONS ? →		
MEANS OF EXTINCTION No fire or explosion hazards come from the product itself. Fire-fighters should wear self-contained breathing apparatus.		
FLASHPOINT (° C) AND METHOD none	UPPER FLAMMABLE LIMIT (% BY VOLUME) -	LOWER FLAMMABLE LIMIT (% BY VOLUME) -
AUTOIGNITION TEMPERATURE (° C) N/A	HAZARDOUS COMBUSTION PRODUCTS -	
EXPLOSION DATA →	SENSITIVITY TO IMPACT N/A	SENSITIVITY TO STATIC DISCHARGE -

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF YES, UNDER WHICH CONDITIONS ? →	
INCOMPATIBILITY WITH OTHER SUBSTANCES YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF SO, WHICH ONES ? →	
REACTIVITY, AND UNDER WHAT CONDITIONS -	
HAZARDOUS DECOMPOSITION PRODUCTS -	

PRODUCT IDENTIFIER → **VACUSELTZER PLUS ENZYMATIC CLEANER**

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY

SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Inhalation: May cause sensitization by inhalation
 Skin contact: May cause irritation.
 Eye contact: May cause irritation.
 Ingestion: May be harmful if swallowed.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

N/A

EXPOSURE LIMITS not known	IRRITANCY OF PRODUCT Skin and eye contact	SENSITIZATION TO PRODUCT Inhalation	CARCINOGENICITY none
TERATOGENICITY N/A	REPRODUCTIVE TOXICITY none	MUTAGENICITY N/A	SYNERGISTIC PRODUCTS N/A

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES (SPECIFY) Nitrile, rubber or plastic	RESPIRATOR (SPECIFY) Use NIOSH approved cartridge respirator in poorly ventilated rooms.	EYE (SPECIFY) Safety goggles
FOOTWEAR (SPECIFY) Closed shoes	CLOTHING (SPECIFY) Protective clothing to avoid skin contact.	OTHER (SPECIFY) -

ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS)

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LEAK AND SPILL PROCEDUR

Clear up dry and dispose of according to the local regulations.

WASTE DISPOSAL

No specific methods are necessary. Disposal must conform to Federal or local regulations. Request permission of local sewer authority.

HANDLING PROCEDURES AND EQUIPMENT

Do not breathe in dust. Use only in adequately ventilated rooms. Please observe instructions for use before application. Avoid contact with eyes or skin and inhalation.

STORAGE REQUIREMENTS

Product to be cold-stored, however, not below 5 °C.

SPECIAL SHIPPING INFORMATION

According to the valid transportation classification: No dangerous cargo.

SECTION 8 - FIRST AID MEASURES

SPECIFIC MEASURES

Inhalation: Remove victim to fresh air. Keep the respiratory tract free. Seek medical advice in the event of complaints.
 Skin contact: Rinse with copious amounts of water.
 Eye contact: Flush with large amounts of water and consult a physician.
 Ingestion: Rinse the mouth and let person concerned drink 500 ml of water immediately and consult a physician.

SECTION 9 - PREPARATION DATE OF MSDS

PREPARED BY (GROUP, DEPARTMENT, ETC.) FILM PROCESSOR DEPARTMENT	PHONE NUMBER USA/516/433-7676	DATE 2003-05-12
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