

SAFETY DATA SHEETS

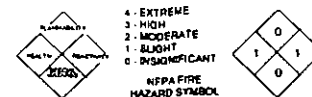
This SDS packet was issued with item:

071048578

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

071048552

MATERIAL SAFETY DATA SHEET



SECTION 1 - PRODUCT IDENTIFICATION AND USE			
MATERIAL IDENTIFIER		Peri-Pro Fixer Code 6	
MANUFACTURER'S NAME		AIR TECHNIQUES, INC.	
STREET ADDRESS		70 Cantigue Rock Road	
CITY		Hicksville STATE NY	
Postal Code		11801 Telephone No. (516) 433-7676	
Primary Emergency Contact		CHEMTREC (800) 424-9300	
SUPPLIER'S NAME:		AIR TECHNIQUES, INC.	
(In Canada Only):		SCI-CAN	
Div. of Lux & Zwingerberger, Ltd.		STREET ADDRESS: 1440 Don Mills Road	
CITY		Toronto STATE Ontario, CANADA	
Postal Code		M3B 3P9 Telephone No. (416) 445-1800	

SECTION 2 - HAZARDOUS INGREDIENTS						
HAZARDOUS INGREDIENTS	%	UN, NA, OR CAS NUMBER	OSHA PEL	ACGH TLV	LD ₅₀ of material mg/kg (specify species/route)	LC ₅₀ of material (specify species)
Water	80-85	7732-18-5	--	--	--	--
Ammonium Thiosulfate	10-15	7783-18-8	N/A	N/A	Oral/Rat 2890	
Sodium Bisulfite	1-5	7631-90-5	5mg/m ³	5mg/m ³	Oral/Rat 2000	
Sodium Acetate	1-5	127-08-3	N/A	N/A	Oral/Rat 3530	
N/A = Not Available						

SECTION 3 - PHYSICAL DATA		PHYSICAL STATE GAS [] LIQUID [X] SOLID []	
ODOR AND APPEARANCE		Odor Threshold (PPM) N/A	
Vinegar odor, clear colorless liquid		Specific Gravity 1.1	
Vapor Pressure	N/A	Vapor Density	N/A
Evaporation Rate	N/A	Boiling Point (°C)	100°
Freezing Point (°C)	0°	Solubility In Water	
Complete	pH 4.5-5.0	Coeff. Water/Oil Dist N/A	
Volatiles (by volume)	60-90		

SECTION 4 - FIRE AND EXPLOSION DATA		FLAMMABILITY YES [] NO [X] If Yes, Under Which Conditions	
MEANS OF EXTINCTION		SPECIAL PROCEDURES	
Any Applicable to primary cause of fire		Fire Fighters should wear self-contained breathing apparatus. Excessive heat may cause production of hazardous decomposition products.	
Flashpoint (°C) and Method	N/A	Upper Explosion Limit (% By Volume)	N/A
Lower Explosion Limit (% By Volume)	N/A	Hazardous Combustion Products	N/A
Autoignition Temperature (°C)	N/A	TDG Flammability Classification	N/A
Explosion Sensitivity To Impact Data	N/A	Rate of Burning	N/A
Explosive Power	N/A	Sensitivity To Static Discharge	N/A

SECTION 5 - REACTIVITY DATA		CHEMICAL STABILITY YES [X] NO [] If No, Under Which Conditions	
INCOMPATIBILITY WITH OTHER SUBSTANCES		YES [X] NO [] If YES, WHICH ONES	
Will neutralize strong alkali and release some heat.		Strong alkalis	
HAZARDOUS DECOMPOSITION PRODUCTS		Sulfur dioxide and ammonia	

SECTION 6 - TOXICOLOGICAL PROPERTIES		Peri-Pro Fixer Code 6	
ROUTE OF ENTRY		Skin Contact [X] Skin Absorption [X] Eye Contact [X] Inhalation Acute [X]	
Inhalation Chronic [X] Ingestion [X]			
EFFECTS OF ACUTE EXPOSURE TO MATERIAL			
EYE - Irritation and burning may occur. High concentrations of acetic acid vapors can cause excess blinking, tearing, and eye discomfort.			
SKIN - Skin irritation and burning possible.			
INGESTION - Acetic acid can cause burning to mouth, throat, and esophagus, nausea, vomiting, abdominal pain, shock state, collapse. Sodium sulfite may cause circulatory disturbances and central nervous system damage.			
INHALATION - If heated, ammonia vapors will irritate the throat.			

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL None				
Sensitization Property	Carcinogenicity	Reproductive Effects	Synergistic Materials	Irritancy
N/A	None	None	N/A	Eye & Skin possible

SECTION 7 - PREVENTIVE MEASURES			
GLOVES	RESPIRATOR	EYE	
Nitrile rubber or plastic	Use NIOSH approved cartridge respirator in poorly ventilated areas	Eye wash station and chemical splash goggles	
FOOTWEAR	CLOTHING	OTHER	
N/A	Cover Skin	N/A	

ENGINEERING CONTROLS		Ventilation 10 room volumes per hour	
LEAK AND SPILL PROCEDURE			
Neutralize with sodium bicarbonate, dike the spill, and soak up with absorbent material. Place in plastic container for legal disposal.			
WASTE DISPOSAL			
Disposal must conform to Federal and Local regulations. Request permission of local sewer authority.			
HANDLING PROCEDURES AND EQUIPMENT			
Store and handle in tightly capped container. Wear protective gloves, clothes, and goggles. Keep work space uncluttered. Avoid contact with eyes and skin.			
STORAGE REQUIREMENTS			
Do not store near food, drink, or tobacco products. Store in well ventilated area. Store between 10 - 30°C. Do not allow to freeze.			
SPECIAL SHIPPING INFORMATION			
When shipping, keep above 4.4°C. Protect from puncturing by handling or other equipment.			

SECTION 8 - FIRST AID MEASURES		PREPARATION OF FORM controlled by	
EYES - Flush with water spray for 15 minutes.		Film Processor Department PH. NO. (516) 433-7676	
SKIN - Remove contaminated clothing and wash skin thoroughly. Wash clothing.		4/1/96	
INHALATION - Remove to fresh air. If breathing is difficult, give oxygen.			
INGESTION - If conscious, give large amounts of water. Do not induce vomiting. If not conscious, give artificial respiration, obtain prompt medical attention.			
SECTION 9 - PREPARATION DATE OF MSDS			

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE		SECTION 6 - TOXICOLOGICAL PROPERTIES																																				
MATERIAL IDENTIFIER Peri-Pro Fixer CODE 0 DISTRIBUTOR'S NAME AIR TECHNIQUES INC. STREET ADDRESS 1295 WALT WHITMAN ROAD CITY MELVILLE STATE NY POSTAL CODE 11747 TELEPHONE NO. (516) 433-7676		Per-Pro Fixer Code 0 ROUTE OF ENTRY SKIN CONTACT (X) SKIN ABSORPTION (X) EYE CONTACT (X) INHALATION ACUTE (X) INHALATION CHRONIC (X) INGESTION (X) EFFECTS OF ACUTE EXPOSURE TO MATERIAL EYE - Irritation or burning may occur. High concentrations of acetic acid vapors can cause excess blinking, tearing, and eye discomfort. SKIN - Irritation and burning possible. INGESTION - Acetic Acid can cause burning to mouth, throat, and esophagus. Nausea, vomiting, abdominal pain, shock state collapse are possible. Sodium Sulfite may cause circulatory disturbances and central nervous system damage. INHALATION - If heated ammonia vapors will irritate the throat. EFFECTS OF CHRONIC EXPOSURE TO MATERIAL None																																				
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>%</th> <th>UN, NA, OR CAS NUMBER</th> <th>OSHA PEL</th> <th>OSHA TLV</th> <th>LD₅₀ OF MATERIAL mg/kg (SPECIFY SPECIES/ROUTE)</th> <th>LC₅₀ OF MATERIAL (SPECIFY SPECIES)</th> </tr> </thead> <tbody> <tr> <td>Water</td> <td>60-100</td> <td>7732-18-5</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>Ammonium Thiosulfate</td> <td>1-5</td> <td>7783-18-8</td> <td>N/A</td> <td>N/A</td> <td>Oral/Rat 2890</td> <td>N/A</td> </tr> <tr> <td>Sodium Sulfite</td> <td>1-5</td> <td>7757-83-7</td> <td>N/A</td> <td>N/A</td> <td>IVM/Rat 115</td> <td>N/A</td> </tr> <tr> <td>Sodium Acetate</td> <td>1-5</td> <td>127-09-3</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>			%	UN, NA, OR CAS NUMBER	OSHA PEL	OSHA TLV	LD ₅₀ OF MATERIAL mg/kg (SPECIFY SPECIES/ROUTE)	LC ₅₀ OF MATERIAL (SPECIFY SPECIES)	Water	60-100	7732-18-5	---	---	---	---	Ammonium Thiosulfate	1-5	7783-18-8	N/A	N/A	Oral/Rat 2890	N/A	Sodium Sulfite	1-5	7757-83-7	N/A	N/A	IVM/Rat 115	N/A	Sodium Acetate	1-5	127-09-3	N/A	N/A	N/A	N/A	SENSITIZATION PROPERTY N/A CARCINOGENICITY None REPRODUCTIVE EFFECTS None SYNERGISTIC EFFECTS None IRRITANCY Eye and skin possible	
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PHYSICAL STATE GAS () LIQUID (X) SOLID () ODOR AND APPEARANCE Vinegar Odor, clear colorless liquid ODOR THRESHOLD (PPM) N/A SPECIFIC GRAVITY 1.1 VAPOR PRESSURE N/A VAPOR DENSITY N/A EVAPORATION RATE N/A BOILING POINT (°C) > 100 FREEZING POINT (°C) 0 % VOLATILE (By Volume) 60-90 SOLUBILITY IN WATER Complete pH 4.5 - 5.0 COEFF. WATER/OIL DIST N/A		GLOVES Nitrile Rubber or Plastic RESPIRATOR Use NIOSH approved cartridge respirator in poorly ventilated areas. EYE Eye wash station and chemical splash goggles. FOOTWEAR N/A CLOTHING Cover skin OTHER N/A ENGINEERING CONTROLS Recommended ventilation - 10 room volumes per hour																																				
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FLAMMABILITY YES () NO (X) IF YES, UNDER WHICH CONDITION MEANS OF EXTINCTION Any applicable to the primary cause of fire. SPECIAL PROCEDURES Firefighters should wear self-contained breathing apparatus. Excessive heat may cause the production of hazardous decomposition products. FLASH POINT (°C) METHOD USED N/A UPPER EXPLOSION LIMIT (% BY VOLUME) N/A LOWER EXPLOSION LIMIT (% BY VOLUME) N/A AUTOIGNITION TEMPERATURE (°C) N/A TDG FLAMMABILITY CLASSIFICATION N/A HAZARDOUS COMBUSTION PRODUCTS N/A EXPLOSION SENSITIVITY TO IMPACT DATA N/A RATE OF BURNING N/A EXPLOSIVE POWER N/A SENSITIVITY TO STATIC DISCHARGE N/A		WASTE DISPOSAL Disposal must conform to Federal and Local Regulations. Consult local sewer authority. HANDLING PROCEDURES AND EQUIPMENT Store and handle in a tightly capped container. Wear protective gloves, clothes, and goggles. Keep work space uncluttered. Avoid contact with eyes and skin. STORAGE REQUIREMENTS Do not store near food, drink, or tobacco products. Store in a well ventilated area. Store between 10 - 25 °C. Do not allow to freeze. SPECIAL SHIPPING INFORMATION Ship above 4.4 °C. Protect from puncturing by handling or other equipment.																																				
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CHEMICAL STABILITY YES (X) NO () IF NO, UNDER WHICH CONDITIONS INCOMPATIBILITY WITH OTHER SUBSTANCES YES (X) NO () IF YES, WHICH ONES Strong Alkalis or Acids REACTIVITY, AND UNDER WHAT CONDITIONS Will neutralize strong alkalis and release some heat. HAZARDOUS DECOMPOSITION PRODUCTS Sulfur Dioxide (acids) and ammonia (alkalis).																																						

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