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 Cantiague 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 & Zwingenberger, Ltd.

STREET ADDRESS: 1440 Don Mills Road

CITY Toronto STATE Ontario, CANADA

Postal Code M3B 3P9 Telephone No. (416) 445-1600

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	127-09-3	N/A	N/A	Oral/Rat 3530	

N/A = Not Available

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE GAS [ ] LIQUID [X] SOLID [ ]

ODOR AND APPEARANCE 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

SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABILITY YES [ ] NO [X] If Yes, Under Which Conditions

MEANS OF EXTINCTION
Any Applicable to primary cause of fire

SPECIAL PROCEDURES 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

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

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 Strong alkalis

REACTIVITY, AND UNDER WHAT CONDITIONS Will neutralize strong alkali and release some heat.

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
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 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

EYES – Flush with water spray for 15 minutes.

SKIN – Remove contaminated clothing and wash skin thoroughly. Wash clothing.

INHALATION – Remove to fresh air. If breathing is difficult, give oxygen.

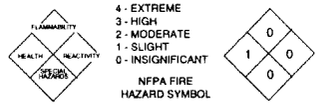
INGESTION – If conscious, give large amounts of water. Do not induce vomiting. If not conscious, give artificial respiration, obtain prompt medical attention.

SECTION 9 – PREPARATION DATE OF MSDS

PREPARATION OF FORM controlled by
Film Processor Department PH. NO. (516) 433-7676

3/1/99

MATERIAL SAFETY DATA SHEET



SECTION 1 – PRODUCT IDENTIFICATION AND USE

MATERIAL IDENTIFIER Peri-Pro Developer Code 6

Primary Emergency Contact CHEMTREC (800) 424-9300

MANUFACTURER'S NAME AIR TECHNIQUES, INC.

SUPPLIER'S NAME: (In Canada Only): AIR TECHNIQUES, INC. SCI-CAN Div. of Lux & Zwingenberger, Ltd.

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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	85-90	7732-18-5	--	--	--	--
Potassium Sulfite	1-5	10117-38-1	N/A	N/A	N/A	N/A
Sodium Sulfite	1-5	7757-83-7	N/A	N/A	IVN/Rat 115	N/A
Potassium Carbonate	1-5	584-08-7	N/A	N/A	Oral/Rat 1870	N/A
Hydroquinone	1-5	123-31-9	2mg/m³	2mg/m³	Oral/Human 70-170	0.09mg/L
N/A = Not Available						24-Hr. Daphnia

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE GAS [ ] LIQUID [X] SOLID [ ]

ODOR AND APPEARANCE Slight odor, light yellow color

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 10.3

Coeff. Water/Oil Dist N/A

SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABILITY YES [ ] NO [X] If Yes, Under Which Conditions

MEANS OF EXTINCTION
Any Applicable to primary cause of fire

SPECIAL PROCEDURES 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

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

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 Strong oxiders and acids

REACTIVITY, AND UNDER WHAT CONDITIONS Will neutralize strong acids and release some heat.

HAZARDOUS DECOMPOSITION PRODUCTS Sulfur dioxide, carbon dioxide, possible carbon monoxide

SECTION 6 – TOXICOLOGICAL PROPERTIES

Peri-Pro Developer 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 – May cause eye irritation; Hydroquinone in high concentrations may cause discoloration and opacity of cornea. May cause allergic skin irritation.

INGESTION – Corrosion of tissue may occur with nausea, vomiting, and abdominal pain possible. Large does of sulfite may cause circulatory disturbances and central nervous system depression and possible allergic reactions in some asthmatics.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL None

Sensitization Property	Carcinogenicity	Reproductive Effects	Synergistic Materials	Irritancy
N/A	None	Possible mutagen	N/A	Eye & Skin possible

SECTION 7 – PREVENTIVE MEASURES

GLOVES
Nitrile rubber or plastic

RESPIRATOR Use NIOSH approved cartridge respirator in poorly ventilated areas

EYE
Eye wash station and chemical spash goggles

FOOTWEAR N/A

CLOTHING Cover Skin

OTHER 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 absorbant material. Place in plastic container for legal disposal.

WASTE DISPOSAL No specific method necessary if neutralized. 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 – 25°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

EYES – Flush with water spray for at least 15 minutes. Get medical attention.

SKIN – Remove contaminated clothing and wash skin thoroughly with non-alkaline type cleanser. Wash clothing before reuse.

INHALATION – If symptomatic, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.

INGESTION – If conscious, induce vomiting as directed by medical personnel. Give plenty of water. If not conscious, give artificial respiration and obtain prompt medical attention.

SECTION 9 – PREPARATION DATE OF MSDS

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