

AIR TECHNIQUES INC. -- PERI-PRO FIXER

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MSDS Safety Information

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FSC: 6525

NIIN: 01-204-2656

MSDS Date: 01/29/1992

MSDS Num: CKLQG

Product ID: PERI-PRO FIXER

MFN: 05

Kit Part: Y

Responsible Party

Cage: 53542

Name: AIR TECHNIQUES INC.

Address: 70 CANTIAQUE ROCK ROAD

City: HICKSVILLE NY 11801

Info Phone Number: 516-433-7676

Emergency Phone Number: 519-433-7676

Review Ind: Y

Published: Y

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Contractor Summary

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Cage: 53542

Name: AIR TECHNIQUES INC.

Address: 70 CANTIAQUE ROCK ROAD

City: HICKSVILLE NY 11801

Phone: 516-433-7676

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Item Description Information

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Item Name: DEVELOPER AND FIXER SET,X-RAY FILM PROCESSING

Specification Number: NONE

Type/Grade/Class: NONE

Unit of Issue: PG

UI Container Qty: 1

Type of Container: UNKNOWN

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Ingredients  
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Cas: 7732-18-5

RTECS #: ZC0110000

Name: WATER

% low Wt: 60.

% high Wt: 100.  
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Cas: 7783-18-8

RTECS #: XN6465000

Name: AMMONIUM THIOSULFATE

% low Wt: 1.

% high Wt: 5.  
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Cas: 7757-83-7

RTECS #: WE2150000

Name: SODIUM SULFITE

% low Wt: 1.

% high Wt: 5.  
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Cas: 64-19-7

RTECS #: AF1225000

Name: ACETIC ACID

% low Wt: 1.

% high Wt: 5.

OSHA PEL: 25 MG/M3;10 PPM

ACGIH TLV: 25 MG/M3;10 PPM

ACGIH STEL: 37 MG/M3;15 PPM

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS  
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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Effects of Exposure: ACUTE: EYE: IRRITATION OR BURNING MAY OCCUR. HIGH CONCENTRATIONS OF ACETIC ACID VAPORS CAN CAUSE EXCESS BLINKING, TEARING, & EYE DISCOMFORT. SKIN: IRRITATION & BURNING POSSIBLE. INGESTION: ACETIC ACID CAN CAUSE BURNING TO MOUTH, THROAT & ESOPHAGUS. NAUSEA, VOMITING, ABDOMINAL PAIN. SHOCK STATE COLLAPSE POSSIBLE. SODIUM SUFFITE MAY CAUSE CIRCULATORY DISTURBANCES & CENTRAL NERVOUS SYSTEM DAMAGE. INHALATION: IF HEATED AMMONIA VAPORS IRRITATE THE THROAT. CHRONIC: NONE.

Explanation Of Carcinogenicity: NONE

First Aid: EYES: FLUSH WITH WATER FOR AT LEAST 15 MINS. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING & WASH SKIN THOROUGHLY WITH SOAP & WATER. WASH CLOTHES BEFORE RE-USE. INHALATION: REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

INGESTION:

IF CONSCIOUS, GIVE LARGE AMOUNTS OF WATER. DO NOT INDUCE VOMITING. IF NOT CONSCIOUS, GIVE ARTIFICIAL RESPIRATION. OBTAIN PROMPT MEDICAL ATTENTION.

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Handling and Disposal

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Spill Release Procedures: NEUTRALIZE WITH SODIUM BICARBONATE, DIKE THE SPILL AND SOAK UP WITH ABSORBENT MATERIAL. PUT INTO PLASTIC CONTAINER FOR LEGAL DISPOSAL.

Neutralizing Agent: SODIUM BICARBONATE.

Waste Disposal Methods: DISPOSAL MUST CONFIRM TO FEDERAL AND LOCAL REGULATIONS.

CONSULT LOCAL SEWER AUTHORITY.

Handling And Storage Precautions: STORE & HANDLE IN A TIGHTLY CAPPED CONTAINER. WEAR PROTECTIVE GLOVES, CLOTHING, & GOGGLES. KEEP WORK SPACE UNCLUTTERED. AVOID CONTACT WITH EYES & SKIN. STORAGE: DO NOT STORE NEAR FOOD, DRINK, OR TOBACCO PRODUCTS. STORE IN A WELL VENTILATED AREA.

STORE

BETWEEN 10 TO 25 DEG C. DO NOT ALLOW TO FREEZE.

Other Precautions: SHIP ABOVE 4.4 DEG C. PROTECT FROM PUNCTURING BY HANDLING OR

OTHER EQUIPMENT.

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Fire and Explosion Hazard Information

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Extinguishing Media: ANY APPLICABLE TO THE PRIMARY CAUSE OF FIRE.

Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS. EXCESSIVE HEAT MAY CAUSE THE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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Control Measures

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Respiratory Protection: USE NIOSH APPROVED CARTRIDGE RESPIRATOR IN POORLY VENTILATED AREAS.

Ventilation: RECOMMENDED VENTILATION - 10 ROOM VOLUMES PER HOUR.

Protective Gloves: NITRILE RUBBER OR PLASTIC.

Eye Protection: CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: EYE WASH STATION.

Supplemental Safety and Health: ITEM IS A DEVELOPER AND FIXER SET FOR X-RAY FILM PROCESSING; CONTAINS 3 QUARTS OF DEVELOPER AND 3 QUARTS OF FIXER USED IN DENTAL AUTOMATIC PROCESSING.

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Physical/Chemical Properties

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HCC: T4

Boiling Point: >100.C, 212.F

Melt/Freeze Pt: =0.C, 32.F

Spec Gravity: 1.1

PH: 4.5 TO 5.0

Solubility in Water: COMPLETE

Appearance and Odor: VINEGAR ODOR, CLEAR COLORLESS LIQUID

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Reactivity Data

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Stability Indicator: YES

Materials To Avoid: STRONG ALKALIS OR ACIDS. WILL NEUTRALIZE STRONG ALKALIS AND

RELEASE SOME HEAT.

Hazardous Decomposition Products: SULFUR DIOXIDE (ACIDS) AND AMMONIA (ALKALIS).

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Toxicological Information

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Toxicological Information: AMMONIUM THIOSULFATE: ORAL/RAT 2890 MG/KG. SODIUM  
SULFITE: IVN/RAT 115 MG/KG. ACETIC ACID: ORAL/RAT 3310 MG/KG. LC50 5620 PPM 1  
HR. MOUSE.

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Transportation Information

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Responsible Party Cage: 53542

Trans ID NO: 153015

Product ID: PERI-PRO FIXER

MSDS Prepared Date: 01/29/1992

Review Date: 05/16/2000

MFN: 5

Tech Entry NOS Shipping Nm: CONTAINS HYDROQUINONE.

Net Unit Weight: 6.9 LBS

Multiple KIT Number: 0

Kit Part IND: Y

Review IND: Y

Unit Of Issue: PG

Container QTY: 1

Type Of Container: UNKNOWN

Additional Data: UNIT OF ISSUE CONTAINS 3 QUARTS DEVELOPER; 3 QUARTS FIXER.

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Detail DOT Information

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DOT PSN Code: QKO

Symbols: G

DOT Proper Shipping Name: TOXIC LIQUIDS, ORGANIC, N.O.S.

Hazard Class: 6.1

UN ID Num: UN2810

DOT Packaging Group: III

Label: KEEP AWAY FROM FOOD

Special Provision: T7

Packaging Exception: 153

Non Bulk Pack: 203

Bulk Pack: 241

Max Qty Pass: 60 L

Max Qty Cargo: 220 L

Vessel Stow Req: A

Water/Ship/Other Req: 40

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Detail IMO Information

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IMO PSN Code: OTX

IMO Proper Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S. o

IMDG Page Number: 6270-1

UN Number: 2810

UN Hazard Class: 6.1

IMO Packaging Group: I/II/III

Subsidiary Risk Label: -

EMS Number: 6.1-02

MED First Aid Guide NUM: T

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Detail IATA Information

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IATA PSN Code: YIF

IATA UN ID Num: 2810

IATA Proper Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S. \*

IATA UN Class: 6.1

IATA Label: TOXIC

UN Packing Group: III

Packing Note Passenger: 611

Max Quant Pass: 60L

Max Quant Cargo: 220L

Packaging Note Cargo: 618

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Detail AFI Information

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AFI PSN Code: YGG

AFI Symbols: \*

AFI Proper Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S.

AFI Hazard Class: 6.1

AFI UN ID NUM: UN2810

AFI Packing Group: III

Special Provisions: P5

Back Pack Reference: A10.5

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HAZCOM Label

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Product ID: PERI-PRO FIXER

Cage: 53542

Company Name: AIR TECHNIQUES INC.

Street: 70 CANTIAQUE ROCK ROAD

City: HICKSVILLE NY

Zipcode: 11801

Health Emergency Phone: 519-433-7676

Label Required IND: Y

Date Of Label Review: 05/16/2000

Status Code: A

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: ACUTE: EYE: IRRITATION OR BURNING MAY OCCUR. HIGH

CONCENTRATIONS OF ACETIC ACID VAPORS CAN CAUSE EXCESS BLINKING,  
TEARING,

& EYE DISCOMFORT. SKIN: IRRITATION & BURNING POSSIBLE. INGESTION:

ACETIC ACID CAN CAUSE BURNING TO MOUTH, THROAT & ESOPHAGUS. NAUSEA,  
VOMITING, ABDOMINAL PAIN. SHOCK STATE COLLAPSE POSSIBLE. SODIUM SUFFITE  
MAY

CAUSE CIRCULATORY DISTURBANCES & CENTRAL NERVOUS SYSTEM DAMAGE. INH  
ALATION: IF HEATED AMMONIA VAPORS IRRITATE THE THROAT. CHRONIC: NONE.

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