

Material Safety Data Sheet

Product Identification:

Manufacturer: Pascal Company, Inc.
P.O. Box 1478
Bellevue, Washington 98009-1478

Phone Number (for information): 1-425-827-4694
Emergency Phone Number: 1-425-827-4694
Fax Number: 1-425-827-6893

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Components - Chemical Name & Common Name
(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)

Stannous Fluoride

60:60 Rinse: Stannous Solution, Part B

MSDS Number*

CAS Number*

Date Prepared: February 10, 1998

%*	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
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1.64%	2mg(Sn)/M ³ 2.5mg(F)/M ³	2mg(Sn)/M ³ 2.5mg(F)/M ³	
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TOTAL:

100

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: >550° F

Specific Gravity (H₂O=1): 1.26

Vapor Pressure (mm Hg and Temperature): <1.0 mm HG @ 20c

Melting Point: N/A

Vapor Density (AIR=1): 3.1

Solubility in Water: Miscible

Evaporation Rate (- 1): N/A

Appearance and Odor: Water white liquid with odor of stated flavor.

Water Reactive: N/A

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Extinguisher Media: Water fog, alcohol foam, CO₂ dry chemical

Flammability Limits in Air % by Volume: N/A

Special Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Flash Point and Method Used: 199° F. PMCC

Unusual Fire and Explosive Hazards: Emits toxic fumes under fire conditions.

Auto-Ignition Temperature:

SECTION 4 - REACTIVITY HAZARD DATA

Stability:

Conditions to Avoid: Strong oxidizing agents (sodium hypochlorite, hypochlorous acid)

Incompatibility (Materials to Avoid): Oxidizing materials: Reacts violently with chlorine

Conditions to Avoid: N/A

Decomposition Products: hydrogen fluoride

Hazardous Polymerization: Will not occur

SECTION 5 - HEALTH HAZARD DATA

Primary Routes of Entry: ☒ Inhalation ☒ Ingestion ☒ Skin Absorption

Carcinogen Listed In NTP: N/A OSHA: N/A IARC Monograph: N/A

Health Hazards (Acute and Chronic): High concentrations are extremely destructive to tissues of mucous membranes and upper respiratory tract, eyes and skin. Depending on the intensity and duration of exposure, effects may vary from mild irritation to severe destruction of tissue.

Signs and Symptoms of Exposure: N/A

Medical Conditions Generally Aggravated by Exposure: N/A

Emergency and First Aid Procedures: Seek medical assistance for further treatment, observation and support if necessary.

Eye Contact: Flush immediately and seek medical advice.

Skin contact: Rinse with water

Inhalation: N/A

Ingestion: Drink milk and seek medical advice.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: Chemical filter respirator.

Protective Gloves: Heavy rubber gloves

Eye Protection: Chemical safety goggles

Ventilation To Be Used: ☒ Local Exhaust:

☒ Mechanical (general):

☒ Special:

Protective Clothing And Equipment: Rubber Boots

Hygienic Work Practices:

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released: Wear respirator, chemical safety goggles, rubber boots, & Heavy rubber gloves. Absorb spill, sweep up and burn in a chemical incinerator.

Waste Disposal Methods: Burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal state and local regulations.

Precautions to be Taken in Handling and Storage: Wear proper personal protective clothing

Other Precautions and/or Special Hazards: N/A

NFPA: Rating* Health Flammability Reactivity Special

HMIS Rating*: Health 1 Flammability 0 Reactivity 0 Personal Protection B

* Optional

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SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Components - Chemical Name & Common Name
(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)

60:60 Rinse; APF Solution, Part A

MSDS Number*

CAS Number*

Date Prepared: February 10, 1996

%*	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
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No Hazardous Components in Concentration greater than 1%

TOTAL:

100

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 200° F

Specific Gravity (H₂O=1): 1

Vapor Pressure (mm Hg and Temperature): N/A

Melting Point: N/A

Vapor Density (AIR=1): N/A

Solubility in Water: Miscible

Evaporation Rate (- 1): N/A

Appearance and Odor: Liquid with color and odor of stated flavor.

Water Reactive: N/A

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Extinguisher Media: Use extinguishing media appropriate for surrounding fire.

Flammability Limits in Air % by Volume: N/A

Special Fire Fighting Procedures: Proper Protective Equipment and self-contained breathing apparatus.

Flash Point and Method Used: N/A

Unusual Fire and Explosive Hazards: Toxic gases produced: hydrogen fluoride.

Auto-Ignition Temperature:

SECTION 4 - REACTIVITY HAZARD DATA

Stability: Stable

Conditions to Avoid: Heat

Incompatibility (Materials to Avoid): Strong Acids, Glass

Conditions to Avoid:

Decomposition Products: Hydrogen Fluoride

Hazardous Polymerization: Will Not Occur

SECTION 5 - HEALTH HAZARD DATA

Primary Routes of Entry: ☒ Inhalation ☒ Ingestion ☐ Skin Absorption

Carcinogen Listed In NTP: None OSHA: None IARC Monograph: None

Health Hazards (Acute and Chronic) Contact with skin or eyes may cause severe irritation or burns.

Skin: Eyes: Ingestion: Ingestion may cause nausea, vomiting, headaches, dizziness and gas. Irritation ingestion may cause irritation and burning to mouth and stomach. Inhalation:

Signs and Symptoms of Exposure: Prolonged exposure may increase bone density, stimulate new bone growth, or cause calcium deposits in ligaments. Molding of tooth enamel occur.

Medical Conditions Generally Aggravated by Exposure: None observed.

Emergency and First Aid Procedures: Seek medical assistance for further treatment, observation and support if necessary.

Eye Contact: Flush with water.

Skin contact: Wash well with water.

Ingestion: If swallowed in large quantities. Immediately induce vomiting. Give at least 8 oz. Of milk and seek medical help.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: None Required where adequate ventilation conditions exist. Protective Gloves: Recommended

Eye Protection: Safety goggles recommended.

Ventilation To Be Used: ☐ Local Exhaust: N/A ☐ Mechanical (general): N/A ☐ Special: N/A

Protective Clothing And Equipment: Uniform, apron Hygienic Work Practices: N/A

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released: Wear self contained breathing apparatus and full protective clothing. Ventilate area. Carefully Neutralize spill with dilute hydrochloric acid. Flush area with flooding amounts of water.

Waste Disposal Methods: Dispose of in accordance with all applicable federal, state and local environmental regulations.

Precautions to be Taken in Handling and Storage: Do not store in glass. Sodium fluoride reacts with acids to form hydrogen fluoride. Which is highly corrosive and poisonous. Keep away from strong acids.

Other Precautions and/or Special Hazards:

NFPA: Rating* Health Flammability Reactivity Special

HMS Rating*: Health 1 Flammability 0 Reactivity 0 Personal Protection A

* Optional