

PRECISION SURFACES INTERNATIONAL, INC.

922 Ashland Houston, TX 77008-6734

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SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Finamet Powder
Product Identifier: PSI-210-5
Supplier: Precision Surfaces International, Inc.
922 Ashland, Houston, TX 77008-6734
Emergency Telephone: Infotrac 800-535-5053
Recommended Use:

SECTION 2: Hazard(s) Identification

Hazard Classification

Carc. 2

H351

Full text of H-phrases: see Section 16

Label Elements

Signal Word

Warning

Pictograms



Hazard Statements

H351: Suspected of causing cancer

H232: May form combustible dust concentrations in air

Precautionary Statements

P202: Do not handle until all safety precautions have been read and understood

P264: Wash hands, forearms and face thoroughly after handling

P273: Avoid release to the environment

P280: Wear protective gloves, protective clothing, eye protection, and face protection

P501: Dispose of contents/container in accordance with all federal, state, and local health and environmental regulations

Hazards not otherwise classified

Phenol, formaldehyde, and ammonia vapors may be released during molding processes. Overexposure to these vapors may cause irritation to eyes, nose, throat, and skin. Sensitized individuals may experience allergic skin reactions. Exposure to dust from machining operations may cause nose and throat irritation. High concentration of airborne dust may form an explosive mixture with air. Ensure that good housekeeping practices are followed, as well as applicable

guidelines such as National Fire Protection Association (NFPA) 654, "Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids.

Unknown Acute Toxicity

Not applicable

SECTION 3: Composition/Information on Ingredients**Substance**

Not applicable

Mixture

Ingredient	C.A.S. No.	% by Weight	Classification
Hexamethylenetetramine	100-97-0	5 – 10	Flam. Sol. 2, H228: Skin Sens. 1, H317 Aquatic Acute 3, H402
Titanium(IV) Oxide	13463-67-7	0.1 – 1	Carc. 2, H351

Full text of H-phrases: see Section 16

SECTION 4: First-aid Measures**Description of first aid measures****General**

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer.

Inhalation

Call a POISON CENTER or doctor/physician if you feel unwell. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow victim to breathe fresh air. Allow the victim to rest.

Skin Contact

Wash with plenty of soap and water. Wash contaminated clothing before reuse. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye Contact

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Ingestion

Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Obtain emergency medical attention.

Most important symptoms and effects, both acute and delayed

No additional information available

Indication of any immediate medical attention and special treatment required

No additional information available

SECTION 5: Fire-fighting Measures

Extinguishing media

Suitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Explosion hazard	High concentration of airborne dust may form an explosive mixture with air.
Reactivity	Thermal decomposition generates corrosive vapors.

Advice for firefighters

Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

General Measures

Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

For non-emergency personnel

Evacuate unnecessary personnel

For emergency responders

Equip cleanup crew with proper protection. Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up

On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Reference to other sections

See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and Storage

Precautions for safe handling

Additional hazards when processed

Avoid breathing fumes from molding or other processes involving heat. Avoid breathing dusts from cutting, machining or deflashing operations. Guard against dust accumulation of this material. High concentrations of airborne dust may form explosive mixture with air. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

Hygiene measures

Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

Conditions for safe storage, including any incompatibilities

Technical measures	Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.
Storage conditions	Keep only in the original container. Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from :
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight. Heat sources.
Storage temperature	≤ 25 °C
Storage area	Store in cool, dry place.
Specific end use(s)	No additional information available.

SECTION 8: Exposure Controls/Personal Protection

Control Parameters

Ingredient	C.A.S. No.	Agency	Limit Type
FM 4005 GREEN		ACGIH	Not Applicable
FM 4005 GREEN		OSHA	Not Applicable
Hexamethylenetetramine	100-97-0	ACGIH	Not Applicable
Hexamethylenetetramine	100-97-0	OSHA	Not Applicable
Titanium(IV) Oxide	13463-67-7	ACGIH	TWA: 10 mg/m ³ LRT irr; A3
Titanium(IV) Oxide	13463-67-7	OSHA	TWA: 15 mg/m ³

Exposure Controls

Personal Protective Equipment (PPE)

Avoid all unnecessary exposure.

Hand Protection

Wear protective gloves

Eye Protection

Chemical goggles or safety glasses.

Skin and Body Protection

Wear suitable protective clothing.

Respiratory Protection

Wear respiratory protection. Wear appropriate mask.

Other information

Do not eat, drink, or smoke during use.

SECTION 9: Physical and Chemical Properties

Physical State:	Solid
Appearance:	Green colored granules
Color:	Green
Odor:	Characteristic odor; Mild odor
pH:	No data available
Melting Point:	No data available
Boiling Point:	No data available
Flash Point;	No data available
Relative Evaporation Rate (Butylacetate=1):	No data available
Flammability (solid, gas):	No data available
Explosion Limits:	No data available
Explosive Properties:	Mixtures of fine dust and air can create an explosion hazard
Oxidizing Properties:	No data available
Vapor Pressure:	No data available
Relative Density:	1.7 – 1.9
Relative Vapor Density at 20°:	No data available
Specific Gravity/Density:	1.7 – 1.9 g/cm ³
Solubility:	Negligible in water. Water: Solubility in water of component(s) of the mixture: • > 80 g/100ml • 0.01 g/100ml • 0.0040 g/100ml • 0.15 g/100ml • < 0.01 g/100ml
Log Pow:	No data available
Log Kow:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Minimum Ignition Energy:	No data available

SECTION 10: Stability and Reactivity**Reactivity**

Thermal decomposition generates: Corrosive vapors.

Chemical Stability

Stable under recommended handling and storage conditions (see section 7). Not established.

Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

Possibility of hazardous reactions

Not established.

Incompatibility

Strong acids. Strong bases.

Hazardous Decomposition Products

Hazardous decomposition products may include: phenol, formaldehyde, ammonia, carbon monoxide, carbon dioxide, hydrogen cyanide, particulate matter and other organic compounds. Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological Information

Acute toxicity

Not classified

Hexamethylenetetramine (100-97-0)	
LD50 oral rat	> 5000 mg/kg (Rat)
Titanium(IV) Oxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg (> 5000 mg/kg bodyweight; Rat; Rat; Experimental value; Experimental value, > 5000 mg/kg bodyweight; Rat; Rat; Experimental value; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Experimental value, Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	> 6.8 mg/l/4h (Rat; Experimental value, Rat; Experimental value)

Skin corrosion/irritation

Not classified

Serious eye damage/irritation

Not classified

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

Carcinogenicity

Suspected of causing cancer

Titanium(IV) Oxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure)

Not classified

Specific target organ toxicity (repeated exposure)

Not classified

Aspiration hazard

Not classified

Potential Adverse human health effects and symptoms

Based on available data, the classification criteria are not met.

SECTION 12: Ecological Information

Toxicity

Hexamethylenetetramine (100-97-0)	
LC50 fish 1	49800 mg/l (96 h; Pimephales promelas; Measured concentration)
EC50 Daphnia 1	36000 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	3 g/l (336 h; Selenastrum capricornutum; Growth rate)
LC50 fish 2	49000 mg/l (96 h; Cyprinodon variegatus; Nominal concentration)
EC50 Daphnia 2	92.500 mg/l (96 h; Crustacea)
Threshold limit algae 1	1500 mg/l (336 h; Selenastrum capricornutum)
Titanium(IV) Oxide (13463-67-7)	

LC50 fish 1	> 1000 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 1	< 1000 mg/l (432 h; Daphnia magna; Static system)
LC50 fish 2	> 1 g/l (96 h; Leuciscus idus)
EC50 Daphnia 2	< 500 mg/l (720 h; Daphnia magna; Static system)
Threshold limit algae 1	61 mg/l (72 h; Pseudokirchneriella subcapitata)

Persistence and degradability

FM 4005 GREEN	
Persistence and degradability	Not established.
Hexamethylenetetramine (100-97-0)	
Persistence and degradability	Hydrolysis in water.
Biochemical oxygen demand (BOD)	0.026 g O ₂ /g substance
ThOD	1.37 g O ₂ /g substance (NH ₃)
BOD (% of ThOD)	0.01897 % ThOD
Titanium(IV) Oxide (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Bioaccumulative potential

Hexamethylenetetramine (100-97-0)	
Log Pow	-4.15 - -2.13
Bioaccumulative potential	Bioaccumulation: not applicable.
Titanium(IV) Oxide (13463-67-7)	
Bioaccumulative potential	No bioaccumulation data available.

Mobility in soil

No additional information available

Other adverse effects

Effect on the global warming
Other information

No known ecological damage caused by this product.
Avoid release to the environment

SECTION 13: Disposal Considerations

Waste disposal recommendations

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with all federal, state, and local health and environmental regulations.

Ecology - waste materials

Avoid release to the environment.

SECTION 14: Transport Information

Not regulated per U.S DOT.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory Information**US Federal Regulations**

Hexamethylenetetramine (100-97-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Titanium (IV) Oxide (13463-67-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

National Regulations

Titanium (IV) Oxide (13463-67-7)

Listed on IARC (International Agency for Research on Cancer)

SECTION 16: Other Information**Full text of H-phrases:**

Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Carc. 2	Carcinogenicity Category 2
Flam. Sol. 2	Flammable solids Category 2
Skin Sens. 1	Skin sensitization Category 1
H228	Flammable solid
H317	May cause an allergic skin reaction
H351	Suspected of causing cancer
H402	Harmful to aquatic life

The above information and recommendation are believed to be accurate and reliable. However, no warranty, either expressed or implied, is made as to its accuracy or completeness and none is made as to fitness of this material for any purpose. The manufacturer or supplier shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.

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