

PRECISION SURFACES INTERNATIONAL, INC.

922 Ashland Houston, TX 77008-6734

713-426-2220 Fax: 713-426-2223

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Gold Hi-Purity Alumina Suspension
Product Identifier: PSI-5605S-6AU
PSI-5605S-16AU
PSI-5605S-128AU
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

Not classified as a dangerous substance or mixture according to GHS ST/SG/AC.10/30/Rev.5.

Not classified under EU Directives and The Ordinance on Hazardous Materials (GefStoffV).

Signal Word

None.

Symbols

None.

Hazard Statement

None

Precautionary Statements

P261: Avoid breathing dust, fumes, gas, mist, vapors, and/or spray.

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

P284: In case of inadequate ventilation wear respiratory protection.

P302 + P353: If on skin: Rinse skin with water.

P305 + P351: If in eyes: Rinse cautiously with water for several minutes.

SECTION 3: Composition/Information on Ingredients

Ingredient	C.A.S. No.	EINECS No.	Weight %
H2O	7732-18-5	231-791-2	Balance
Glycerine	56-81-5	200-289-5	<30%
Alumina	1344-28-1	215-691-6	<40%
Carbomer	9003-01-4	202-415-4	<2%

SECTION 4: First-aid Measures

This material is believed to be a low health risk. Treat as a nuisance dust as specified by OSHA (Occupational Safety and Health Association).

Inhalation

Excessive exposure may cause cough, mucus, production, shortness of breath. Remove victim to fresh air immediately. Obtain medical attention if breathing difficulty persists beyond 15 minutes.

Skin Contact

Rubber gloves recommended. May cause drying of skin. Otherwise, this material is not expected to be a skin irritant; no known human or animal health effects data.

Eye Contact

Safety goggles recommended. May cause eye irritation. Rinse eyes with water for 20-30 minutes, retracting eyelids often. Obtain medical attention if pain, blinking, tears, or redness persist.

Ingestion

This material is not expected to be an ingestion hazard; no known human or animal health effects data.

SECTION 5: Fire-fighting Measures

Special Fire Fighting Procedures

Wear protective equipment to avoid contact with body or inhalation of mist or dust. Use self-contained breathing apparatus to avoid dust or fumes generated during fire fighting.

SECTION 6: Accidental Release Measures

Product Clean-up

Use absorbents.

Disposal

Disposal should be in accordance with all applicable local, state, and federal laws and regulations. Disposal by ordinary waste methods is recommended, if permissible. Consult your regulatory officials for information regarding disposal requirements.

SECTION 7: Handling and Storage

Precautions for safe handling

Avoid contact with eyes and skin.

Conditions for safe storage including any incompatibilities

Keep material in closed containers.

SECTION 8: Exposure Controls/Personal Protection

Exposure element

Ingredient	C.A.S. No.	Agency	Weight %	Limit Type
H2O	7732-18-5	OSHA PEL	Balance	None established
H2O	7732-18-5	ACGIH TLV	Balance	None established
Glycerine	56-81-5	OSA PEL	<30%	TWA (total): 15 mg/m ³ ; TWA (respirable): 5 mg/m ³

Glycerine	56-81-5	ACGIH TLV	<30%	TWA (total): 10 mg/m3; TWA (respirable): 8 mg/m3
Aluminum Oxide	1344-28-1	OSHA PEL	<40%	TWA (total): 15 mg/m3; TWA (respirable): 5 mg/m3
Aluminum Oxide	1344-28-1	ACGIH TLV	<40%	TWA (total): 10 mg/m3; TWA (respirable): 3 mg/m3
Carbomer	9003-01-4	OSHA PEL	<2%	None established
Carbomer	9003-01-4	ACGIH TLV	<2%	None established

Personal Protective Equipment (PPE)

Eye Protection

Hand Protection

Respiratory Protection

SECTION 9: Physical and Chemical Properties

Physical State:	Slurry
Color:	White
Odor:	Negligible
pH:	7-10
Initial Boiling Point and Range:	104°C (219°F; 377K)
Melting Point:	Not Applicable
Flash Point:	Not Applicable
Evaporation Rate:	Not Applicable
Flammability:	Not Applicable
Flammable Limits (LEL):	Not Applicable
Flammable Limits (UEL):	Not Applicable
Vapor Pressure:	Not Applicable
Vapor Density:	Not Applicable
Relative Density:	Not Applicable
Solubility:	Not Applicable
Partition coefficient: n-octanol/water:	Not Applicable
Autoignition Temperature:	Not Applicable
Decomposition Temperature:	Not Applicable
Specific Gravity:	1.2 (H2O=1)
Explosive Potential:	Not Applicable
Flammable Limits:	Not Applicable
Extinguishing Method:	Not Applicable

SECTION 10: Stability and Reactivity

Reactivity

None to be known.

Chemical Stability

Stable under normal conditions.

Conditions to avoid

None to be known.

Possibility of hazardous reactions

None to be known.

Incompatibility

None to be known.

Hazardous Decomposition Products

Will not occur.

SECTION 11: Toxicological Information**Acute Toxicity**

Organism	Dose	Effect	Reference
Intraperitoneal mouse	LD50: >3,600 mg/kg	N/R	VCVN212,1888

SECTION 12: Ecological Information

Ecological impact has not been determined.

SECTION 13: Disposal Considerations

Collect in containers, bags, or covered dumpster boxes. If reuse or recycling is not possible, material may be disposed of at an industrial landfill. Disposal must be done according to federal and state regulations. Not federally regulated in the U.S. if disposed of "as is".

SECTION 14: Transport Information**UN Number**

Not Applicable

UN Proper Shipping Name

Aluminum Oxide

Hazard Class

Not Applicable

Packing Group

Not Applicable

Not regulated per U.S DOT, IATA, IMO, EU RID, EU ADR, or ICAO.

SECTION 15: Regulatory Information**US Regulations**

TSCA	Toxic Substance Control Act	Listed
SARA Title III		
Section 302	Extremely hazardous substance	None
Section 311//312	Hazardous categories	(acute)
Section 313	Toxic categories	None

In reference to the Title VI of the Clear Air act of 1990, this material does not contain nor was it manufactured using ozone completing chemicals.

European Regulations

EINECS	European Inventory of Existing Chemical Substances	Listed
ELINCS	European List of Notified Chemical Substances	Not Listed

This material has been analyzed and is compliant with the Rohs Directive.

Canadian Regulations

DSL	Domestic Substances List	Listed
NDSL	Non Domestic Substances List	Not Listed

Australian Regulations

AICS	Australian Inventory of Chemical Substances	Listed
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Japan Regulations

ENCS	Existing and New Chemical Substances	Listed
MITI	Ministry of Trade and Industry	Listed

China Regulations

IECSC	Inventory of Existing Chemicals Substances	Listed
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Philippines Regulations

PICCS	Inventory of Chemicals and Chemical Substances	Listed
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Korea Regulations

KECL	Existing and Evaluated Chemical Substances	Listed
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SECTION 16: Other Information

NFPA Hazard Classification

Health: 1 **Flammability:** 0 **Instability:** 0 **Special Hazards:** None

HMIS Hazard Classification

Health: 1 **Flammability:** 0 **Reactivity:** 0 **Personal Protection:** C – Safety glasses, gloves, and an apron

0=no hazard 1=slight hazard 2=moderate hazard 3=hazardous 4=extremely hazard

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.

Manufacturer Issue Date: 10/04/16

Supplier Review Date: 02/09/17