SECTION 1: IDENTIFICATION

Product identifier	All-Purpose Universal Flattening Powder (matting agent)
Product code	FA-103 / PI-FP 084 (silica-gel matting agent)
Other means of identification	Matte-finish flattening powder for plastisol and solvent inks. Base material: Grace SYLOID 308 (fluorinated synthetic amorphous silica gel).
Chemical type	Mixture (synthetic amorphous silica gel, fluorinated)
Recommended use	Flattening / matting additive stirred into screen printing inks to reduce gloss.
Restrictions on use	For industrial and professional use only.
Manufacturer / supplier	Champion Inks 200 S. Newman Street, Unit 4 & 5, Hackensack, NJ 07601, USA Base material supplier: W. R. Grace (SYLOID 308), via JNS-Smithchem / Nexeo Solutions.
Telephone / web	+1 (302) 667-6096 - www.championinks.com - web@championinks.com
Emergency telephone (24-hr)	CHEMTREC - USA / Canada: +1-800-424-9300 - International: +1-703-527-3887 - Contract CCN863598

SECTION 2: HAZARD(S) IDENTIFICATION

OSHA HCS classification	Not classified as hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200) / GHS, based on supplier test results for the finished product.
Signal word	None
Pictograms	None
Hazard statements	None (product not classified).
Precautionary (good practice)	P260/P261 Do not breathe dust. P264 Wash hands after handling. P270 Do not eat, drink or smoke when using (contains a fluoride component). P280 Wear eye protection / dust mask. P305+P351+P338 IF IN EYES: rinse cautiously with water.
Hazards not otherwise classified (HNOC)	The product is very adsorbent and may have a drying effect on skin and eyes. Airborne dust above the exposure limit may mechanically overburden the respiratory system. Contains a fluorosilicate (see Section 3) - avoid ingestion.
Unknown acute toxicity	0% of unknown acute toxicity.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Wt %	GHS classification of component
Synthetic amorphous silicon dioxide (silica gel)	7631-86-9	91 - 97	Not classified (amorphous; not respirable crystalline silica)
Magnesium hexafluorosilicate	16949-65-8	3 - 9	Acute Tox. 3 oral (H301); Eye Dam. 1 (H318); Acute Tox. 4 inhalation (H332)

Private-labeled from the W. R. Grace SYLOID 308 SDS. Although one component (magnesium hexafluorosilicate) is classified, the supplier classifies the finished product as not classified based on test results. **[VERIFY]** Confirm this is the current grade in use and that no higher-fluoride grade is substituted.

SECTION 4: FIRST-AID MEASURES

Inhalation	Remove to fresh air. If dust irritation persists, get medical attention.
Skin contact	Wash with soap and water. The product is drying to skin; apply moisturizer if needed.
Eye contact	Rinse cautiously with water for several minutes; remove contact lenses if easy. If irritation persists, get medical attention.
Ingestion	Do not swallow (contains a fluoride). Rinse mouth; if a significant amount is ingested, get medical advice/attention.
Most important symptoms / effects	Mechanical/dust irritation of eyes and respiratory tract; drying of skin.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Non-combustible. Use extinguishing media suitable for the surrounding fire (water spray, foam, CO2, dry chemical).
Unsuitable extinguishing media	None specific.
Specific hazards	Non-combustible inorganic powder. In a fire, decomposition of the fluoride component may release hydrogen fluoride / silicon tetrafluoride fumes.
Protection for firefighters	NIOSH-approved SCBA and full protective gear in a fire.
Flash point	Not applicable (inorganic solid).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid dust generation; wear a dust mask and eye protection.
Environmental precautions	Prevent large quantities from entering drains/waterways (fluoride).
Containment and cleanup	Vacuum (HEPA) or dampen and sweep up; avoid raising dust. Place in a labeled container for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Minimize dust; use local exhaust. Avoid breathing dust and eye contact. Do not eat/drink/smoke when handling (fluoride). Wash hands afterward.
Conditions for safe storage	Store in a dry, closed container; keep from moisture (adsorbent).
Incompatible materials	Strong acids (may release hydrogen fluoride from the fluorosilicate).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component (CAS)	OSHA PEL	ACGIH TLV	Notes
Amorphous silica (7631-86-9)	6 mg/m3 (total)	10 mg/m3	Not crystalline
Magnesium hexafluorosilicate (16949-65-8)	2.5 mg/m3 (as F)	2.5 mg/m3 (as F)	Fluorides

Engineering controls	Local exhaust ventilation to keep airborne dust below the exposure limits.
Respiratory protection	NIOSH-approved dust respirator (N95 or better) if dust is generated.
Eye / face protection	Safety glasses or goggles.
Skin protection	Gloves recommended to prevent drying.
General hygiene	Wash hands after handling; do not eat/drink/smoke in work areas.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Physical state	Fine powder	Melting point	> 1000 deg C (silica)
Appearance	White powder	Solubility in water	Practically insoluble (silica); fluoride slightly soluble
Odor	Odorless	Bulk density	Low (adsorbent silica gel)
pH (in water)	~ 5 - 8 **[VERIFY]**	Flash point	Not applicable
Flammability	Non-combustible	Oxidizing properties	None

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable.

Possibility of hazardous reactions	None under normal use.
Conditions to avoid	Dust generation; contact with strong acids.
Incompatible materials	Strong acids (may liberate hydrogen fluoride from the fluorosilicate).
Hazardous decomposition products	At high temperature, hydrogen fluoride / silicon tetrafluoride.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure	Inhalation of dust; eye/skin contact; ingestion.
Acute toxicity	Finished product not classified. The magnesium hexafluorosilicate component is toxic if swallowed (Acute Tox. 3) and harmful if inhaled (Acute Tox. 4) - do not ingest dust.
Skin / eye	Amorphous silica is drying/mechanically irritating; the fluoride component can cause serious eye damage on direct contact with concentrate.
Respiratory	Dust may irritate/overburden the respiratory tract.
Carcinogenicity	Amorphous (not crystalline) silica - not classified as a carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Silica is inert; the fluoride component may be harmful to aquatic life in quantity.
Persistence and degradability	Inorganic - not biodegradable.
Bioaccumulative potential	Not expected.
Mobility in soil	Silica immobile; fluoride mobile in water.
Other adverse effects	Avoid large releases of fluoride to water.

OSHA does not enforce the content of Sections 12-15, but they are required to maintain the GHS 16-section order.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	Dispose of per federal, state and local regulations. **[VERIFY]** Confirm whether the fluoride content affects waste classification.
Contaminated packaging	Dispose of per regulations.

SECTION 14: TRANSPORT INFORMATION

US DOT	Not regulated as a dangerous good.
IATA / IMDG	Not regulated.
Special precautions	None known.

SECTION 15: REGULATORY INFORMATION

US TSCA inventory	All components are listed on the TSCA Inventory.
SARA 311/312 hazard categories	None for the finished product (not classified).
SARA 313 (EPCRA)	Not reportable (confirm fluoride).
California Proposition 65	None listed. **[VERIFY]**
State Right-to-Know	Amorphous silica and fluoride compounds may appear on NJ / PA Right-to-Know lists.

SECTION 16: OTHER INFORMATION

Prepared by	Luis Uribe - Champion Inks (Regulatory / EHS)
Issue / revision date	November 24, 2026

Version	1.0 DRAFT - First issue under the Champion Inks brand. House format per OSHA HCS-2024 / GHS Rev. 7.
Change note	[VERIFY] Confirm the exact matting-agent grade in use (this SYLOID 308 grade contains 3-9% magnesium hexafluorosilicate). If a non-fluoride silica gel is substituted, remove the fluoride component and re-check classification.

Disclaimer: The information herein is believed to be accurate and is provided in good faith but without warranty of any kind. It relates only to the specific product designated. The user is responsible for determining suitability and compliance with all applicable regulations. --- End of Safety Data Sheet