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Safety Data Sheet: **Peacock Flattening Agent**

Section 1: Identification

Product Name:	Peacock Flattening Agent
Manufacturer's Name:	Peacock Laboratories
Address:	1901 S. 54th Street
City, State, Zip:	Philadelphia, PA, 19143
Phone Number:	(215)-729-4000
Emergency Contact:	(215)-729-4000
Chemtrec:	(800)-424-9300

Recommended Use: A flattening compound for gloss control in Permalac lacquers.

Section 2: Hazards Identification

2.1 Classification of the Substance or Mixture Classification according to Regulation 29 CFR 1910.1200

NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

2.2 Label Elements

Classification according to Regulation 29 CFR 1910.1200

NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

2.3 Other Hazards

Silicon dioxide (chemically prepared) PBT/vPvB evaluation not available, since a chemical safety evaluation is not required.

Ethene, homopolymer (not a PBT), a vPvB substance, as per the criteria of the REACH regulation.

Section 3: Hazards Identification

3.1 Mixtures

Silicon dioxide (chemically prepared)

CAS No.: 112926-00-8

Not a hazardous substance or mixture.

Ethene (homopolymer)

CAS No.: 9002-88-4

Not a hazardous substance or mixture.

3.2 Other Information

A new CAS number, 112926-00-8, has been assigned to *Amorphous Precipitated Silica* to distinguish it from crystalline. According to EPA, this product meets TSCA requirements and is listed on the TSCA inventory as *Silica*, CAS No.: 7631-86-9.

Section 4: First Aid Measures

4.1 Description of First Aid Measures

GENERAL ADVICE: In all cases of doubt, or when symptoms persist, consult a physician. Show this safety data sheet to the doctor in attendance.

INHALATION: If product dust is released, one may experience discomfort (coughing or sneezing). Move victim(s) to fresh air.

EYES: Remove contact lenses if wearing them, and/or irrigate eyes copiously with clean water for at least 15 minutes, holding the eyelids apart. If irritation occurs, seek medical attention.

SKIN: Wash off with soap and plenty of water.

INGESTION: If swallowed, rinse mouth thoroughly with water, and later, drink plenty of water. If one experiences any discomfort, seek medical attention.

Section 5: Fire Fighting Procedures

5.1 Extinguisher Media

Extinguisher Media: Water spray, foam, carbon dioxide, dry powder.

**Adapt fire-extinguishing measures to surroundings.*

Unsuitable Extinguisher Media: DO NOT use a solid waterstream, as it may scatter and spread fire.

5.2 Special Hazards Arising from Substance or Mixture

May be released in the event of a fire: carbon monoxide, carbon dioxide, organic products of decomposition.

5.3 Advice for Firefighters

As in any fire, wear a self-contained, positive pressure breathing apparatus (MSHA/NIOSH-approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions: Wear personal protective equipment.

Environmental Precautions: Obey relevant local, state, provincial, and federal laws and regulations. DO NOT contaminate any lakes, streams, ponds, groundwater, or soil.

Clean-Up: Sweep up and/or vacuum spillage, and collect it in a suitable container for disposal.

Section 7: Handling & Storage

HANDLING: Use with adequate ventilation.

STORAGE: Keep containers tightly closed in a dry, cool place. Avoid dust formation.

Dust Explosion Class 1 (M3 vessel) = Not dust explosive (VDI Guideline 2263, Sheet 1).

**Take precautionary measures against static discharges.*

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Silicon dioxide (chemically prepared), CAS No.: 112926-00-8

Control Parameters: 6 mg/m³; Recommended Exposure Limit (REL): NIOSH

8.2 Exposure Controls

Personal Protective Equipment

- **Respiratory Protection:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.
- **Hand Protection:** Use impermeable gloves.
- **Eye Protection:** Wear safety glasses with side shields. In case dust is formed, wear close-fitting protective goggles.
- **Skin & Body Protection:** A safety shower and eyewash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.
- **Hygiene Measures:** When using, do not eat, drink or smoke. Wash face and/or hands before break(s) and end of work. To ensure ideal skin protection, use superfatted soaps and skin cream for skin care. Wash contaminated clothing before reuse.

Handle in accordance with good industrial hygiene and safety practice. If there is a possibility of skin/eye contact, the indicated hand/eye/body protection should be used. If workplace exposure limits are exceeded and/or larger amounts are released (by leakage, spilling, dust), the indicated respiratory protection should be used.

Section 9: Physical and Chemical Properties

Physical Form: Solid powder

Color: White

Odor: Odorless

pH: ca. 6 (50 g/l) (20°C); Method: DIN/ISO 787/9 (suspension)

Boiling Point: Not determined

Melting/Freezing Point: Not determined

Solubility in Water: Hardly soluble

Flammability: Not determined

Auto-Ignition: ca. 460°C

Thermal Decomposition: > 230°C

Density: ca. 2 g/cm³ (20°C); Method: DIN/ISO 787/10

Tapped Density: ca. 80 g/l; Method: DIN/ISO 787/11

*Explosiveness NOT expected, given the composition employed.

**The above data are approximate or typical values and *should not* be used for precise design purposes.

Section 10: Stability and Reactivity Data

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical Stability

Stable under recommended storage conditions.

10.3. Possibility of Hazardous Reactions

None, if processed as per stipulations.

10.4. Conditions to Avoid

None known.

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

Decomposition products with heating above decomposition temperature: carbon monoxide, carbon dioxide, organic products of decomposition.

10.7 Stability

Stable under normal conditions. Product will NOT undergo hazardous polymerization.

Section 11: Toxicological Information

- Acute Oral Toxicity
 - Acute toxicity estimate: > 5000 mg/kg
 - LD50 *Rat*: > 5000 mg/kg
 - Test Substance: Silicon dioxide, derived from chemical synthesis literature.
 - Acute inhalation toxicity LC50 *Rat*: 0.139 mg/l at 4 hours
 - Test substance: Silicon dioxide, derived from chemical synthesis (maximum concentration attainable in experiments). No deaths occurred.
 - Acute dermal toxicity LD50 *Rabbit*: > 5000 mg/kg
 - Test substance: Silicon dioxide, derived from chemical synthesis literature. US-GHS (R11/011)/08.06.2016 21:24.

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

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

Sensitization: Not known.

Repeated Dose Toxicity (Oral), test substance: Silicon dioxide, derived from chemical synthesis. No evidence for hazardous properties.

Risk of Aspiration Toxicity: No aspiration toxicity classification.

Mutagenicity Assessment: No evidence of mutagenic effects.

Carcinogenicity: No evidence that cancer may be caused.

Carcinogenicity Assessment: Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.

Toxicity to Reproduction: No evidence of reproduction toxic properties.

Human Experience Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.

Section 12: Ecological Information

12.1 Ecotoxicological Data

Toxicity to Fish

LC50, *Brachydanio rerio*: > 10000 mg/l at 96 hours

- Test substance: Silicon dioxide, derived from chemical synthesis
 - Method: OECD 203. The reported toxic effects relate to the nominal concentration.

Toxicity to Aquatic Invertebrates

EC50, *Daphnia magna*: > 1000 mg/l at 24 hours

- Test substance: Silicon dioxide, derived from chemical synthesis
 - Method: OECD 202. The reported toxic effects relate to the nominal concentration.

12.2 Persistence and Degradability

Not readily biodegradable.

12.3 Bioaccumulative Potential

Not to be expected.

12.4 Mobility in Soil

No remarkable mobility in soil is to be expected.

12.5 Other Adverse Effects

Nothing to report.

Section 13: Disposal Considerations

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Dispose of contaminated packaging as an unused product.

Section 14: Transport Information

NOT dangerous according to transport regulations.

Proper Shipping Name: N/A

Hazard Class: N/A

UN No.: N/A

Packing Group: N/A

Environmental Hazard: N/A

Section 15: Regulatory Information (SARA 302 Components)

US Federal Regulations

OSHA: No chemical specific standards apply to the product or components.

Clean Air Act (Section 112): No components present, or above the De Minimis level, are hazardous air pollutants.

CERCLA Reportable Quantities: No reportable quantities (RQ) apply to the product based on the percent of the named component.

SARA Title III (Section 311/312 Hazard Categories): No SARA hazards.

SARA Title III (Section 313) Reportable Substances: None.

Toxic Substances Control Act (TSCA): No non-proprietary substances subject to export notification.

State Regulations

The listing requirements of the Right to Know (RTK) legislation varies from state to state. All information for NJ, PA, MA, and other states can be derived from the listing of hazardous and non-hazardous components in Sections 2 and 15 of this data sheet.

California Proposition 65: No warning under the California Drinking Water Act required.

An employer using HMIS/NFPA labeling must, through training, ensure that his or her employees are fully aware of the hazards of the chemicals used.

NFPA Ratings

Health: 1

Flammability: 0

Reactivity: 0

Section 16: Other Information

Date of last revision: 11/30/2023 Good Through 11/30/2026

Disclaimer: The information in this SDS was obtained from sources which we believe are reliable and correct, but does not purport to be inclusive and shall be used only as a guide. The information is provided without any representation of warranty expressed or implied regarding the accuracy of correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, Peacock Laboratories, Inc. and its employees do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of, or in any way connected with the handling, storage use of disposal of the product.