P-FFA

SAFETY DATA SHEET

DATE: JANUARY 1, 2026

PETROCHEM - FREE FLOW ADDITIVE (POWDER)

1. IDENTIFICATION

Product Code: P-FFA
Product Name: Free Flow Additive (Powder)
Recommended Use: Oilfield cementing additive
Manufacturer: PETROCHEM USA, INC.
Address: 13921 SW 97 Avenue, Miami, FL 33176 USA
Telephone: 305-439-4747
Emergency Contact: CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification:

Carcinogenicity Category 1A – Inhalation
Specific Target Organ Toxicity (Repeated Exposure) Category 1 – Lung



Signal Word: DANGER
Hazard Statements:

May cause cancer by inhalation.
Causes damage to lungs through prolonged or repeated inhalation.
Dust may cause mechanical irritation to the eyes, skin, and respiratory tract.

PRECAUTIONARY STATEMENT(S):

Prevention:

Obtain and follow safety instructions before use.
Do not breathe dust; minimize dust generation and accumulation.
Use adequate ventilation and dust-control equipment.
Wear protective gloves, eye protection, and appropriate respiratory protection where required.
Wash thoroughly after handling.
Do not eat, drink, or smoke when using this product.

Response:

If exposed or concerned: Get medical advice/attention.
If inhaled: Move to fresh air. Seek medical attention if symptoms develop or persist.
If on skin: Wash thoroughly with soap and water. Seek medical attention if irritation persists.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
If swallowed: Rinse mouth. Do not induce vomiting. Seek medical attention if symptoms develop.

Storage:

Store in a cool, dry, well-ventilated area. Keep containers tightly closed.

Disposal:
Dispose of contents/container in accordance with applicable regulations.
HNOC:
Airborne dust may cause mechanical irritation. Avoid unnecessary dust generation and accumulation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name: Proprietary Mixture
CAS Number: Trade Secret
Hazardous Component(s): Respirable Crystalline Silica
Notes: Specific chemical identities and concentrations are withheld as trade secrets in accordance with applicable hazard communication requirements.

4. FIRST AID MEASURES

Inhalation: Move to fresh air and keep comfortable for breathing. Seek medical attention if symptoms develop or persist.
Skin Contact: Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if irritation develops or persists.
Eye Contact: Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention if symptoms develop.
Symptoms: Dust exposure may cause mechanical irritation of the eyes, skin, and respiratory tract. Prolonged or repeated inhalation may cause serious chronic lung effects.
Physician: Treat symptomatically. Effects associated with prolonged exposure may be delayed.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use extinguishing media appropriate for the surrounding fire, including water fog, foam, dry chemical, or CO_2.
Specific Hazards: Product is not expected to present a significant fire hazard under normal conditions. Thermal decomposition under severe fire conditions may produce irritating or hazardous decomposition products.
Firefighting Equipment: Use self-contained breathing apparatus and appropriate protective equipment where required by surrounding fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Procedures: Avoid generating airborne dust. Keep unnecessary personnel away. Wear appropriate personal protective equipment. Use wet sweeping methods, suitable dust-collection equipment, or HEPA-filtered vacuum systems where practical. Do not use compressed air for cleanup. Collect spilled material in suitable closed containers. Prevent uncontrolled release to drains, waterways, or the environment.

7. HANDLING AND STORAGE

Handling: Do not breathe dust. Minimize dust generation and accumulation during handling, blending, transfer, and cleanup. Use adequate ventilation and dust-control systems. Avoid unnecessary eye and skin contact. Maintain good industrial hygiene practices.
Storage: Store in a cool, dry, well-ventilated area. Keep containers tightly closed. Protect from moisture, contamination, and physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Control occupational exposure to respirable crystalline silica and airborne particulate in accordance with applicable OSHA, ACGIH, and NIOSH occupational exposure limits.

Engineering Controls: Use adequate ventilation and dust-control systems to maintain airborne concentrations below applicable occupational exposure limits.

PPE: Safety glasses with side shields or goggles, protective gloves, and suitable protective clothing. Use a NIOSH-approved particulate respirator where required.

Hygiene: Wash thoroughly after handling. Do not eat, drink, or smoke while using this product. Clean contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Powder

Color: White

Odor: Mild to essentially odorless

Specific Gravity: 2.61

Solubility: Insoluble to partially soluble in water

Flammability: Not flammable

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use, storage, and transport.

Conditions to Avoid: Excessive airborne dust generation and contact with incompatible materials.

Incompatibility: Avoid contact with incompatible materials.

Decomposition: Hazardous decomposition products are not expected under normal conditions of use and storage. Thermal decomposition under severe conditions may produce irritating or hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

Routes: Inhalation (primary), eyes, skin, ingestion.

Acute Effects: Airborne dust may cause respiratory irritation. Particulate material may cause mechanical or abrasive irritation of the eyes and skin.

Chronic Effects: Prolonged or repeated inhalation may cause serious and irreversible lung disease, including silicosis.

Carcinogenicity: Respirable crystalline silica is classified as carcinogenic to humans.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No significant adverse environmental effects are expected under normal conditions of use.

Environmental Impact: Avoid uncontrolled release of large quantities of particulate material.

Persistence and Degradability: No specific finished-product data available.

Bioaccumulative Potential: No specific finished-product data available.

13. DISPOSAL CONSIDERATIONS

Disposal: Dispose of product, residues, and contaminated packaging in accordance with applicable local, state, federal, and other regulations.

14. TRANSPORT INFORMATION

UN Number: None

Proper Shipping Name: Not regulated

Hazard Class: None

Packing Group: None

DOT / IATA / IMDG: Not regulated based on available finished-product information

15. REGULATORY INFORMATION

Compliance: This product contains a hazardous component subject to applicable occupational safety, health, and hazard communication requirements.

Notes: Appropriate engineering controls, work practices, and personal protective equipment should be used to minimize occupational exposure.

16. OTHER INFORMATION



NFPA: Health 2 | Flammability 0 | Reactivity 0

Revision Date: January 1, 2026

DISCLAIMER

The information provided is believed to be accurate; however, no warranties, express or implied, are made, including merchantability or fitness for a particular purpose. Users are responsible for determining product suitability and compliance with applicable laws, API specifications, and safety regulations.