



SAFETY DATA

Revision date: 15 September, 2023

SECTION 1. IDENTIFICATION

Product name: PK FORCE (LC)
Registration number: Mixture
Product use: Soil inoculant

Relevant identified uses of the substance or mixture and uses advised against application of the substance / the mixture:

Microbial-based liquid formulation for use in agriculture.

Supplier:
SMART MICROBES LLC.
ADDRESS: 6521 AMIE LANE
PEARLAND, TX 77584 - USA.

Recommended use: Agriculture use
Further information obtained from: Product Safety Department
Emergency response contact information: (832)637-7126

SECTION 2. HAZARD IDENTIFICATION

Classification of the substance or mixture

This product is not classified as hazardous according to OSHA in the US or WHMIS in Canada information concerning particular hazards for human and environment.

Label elements

Labeling according to OSHA HCS and Canadian WHMIS

Hazard pictograms: Void

Signalword: Void

Hazard statements: Void

Other hazards:

Results of PBT and vPvB assessment PBT: Not applicable vPvB: Not Applicable

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Description: Live non-pathogenic, BENEFICIAL soil microorganisms (Class - 1) in an inert carrier.

Dangerous components: Void

SECTION 4. FIRST AID MEASURES

Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately rinse with water. If skin irritation continues, consult a doctor.

After eye contact: Check for and remove contact lenses. Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Information for doctor: Treat symptomatically and supportively.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: No further relevant information available.

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Advice for firefighters

Protective equipment: Wear fully protective suit. Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation.

Environmental precautions: Dilute with plenty of water:

Methods and material for containment and cleaning up: Use absorbent material, then wash area with soapy water. Disinfect spill area with clean water to which household bleach is added at a rate of 100 mL per 20 liters.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Prevent formation of aerosols. Ensure good ventilation / exhaust in the workplace. Do not dilute or add any other substance except as specified in our product use instructions.

Information about fire and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents.

Further information about storage conditions: Protect from frost. Protect from heat and direct sunlight. Store in a cool dry place between temperatures of 2°C / 35.6°F and 48°C / 118.4°F away from direct sunlight.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls

Personal protective and hygienic measures: Select PPE appropriate for the operations taking place taking into account the product properties.

General protective and hygienic measures:

- Wash hands before breaks and at the end of work.
- Avoid close or long-term contact with the skin.
- Avoid contact with the eyes.
- Do not inhale gases / fumes / aerosols.
- Do not eat, drink, smoke, or sniff while working.

Eye protection: Protective glasses.

Respiratory protection: Protective mask.

Protection of hands: Wear impervious gloves that provide comprehensive protection, eg. PVC or rubber.

Body protection: Protective work clothing. Body protection must be chosen depending on product properties, activities and possible exposure.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling point: Not applicable

Vapour pressure: Not applicable

Volatility: Not applicable

Appearance: Tan natural

Odour: Mild / Natural / Fermentation

Solubility in water: Water soluble

Freezing point: Not available

Physical state: Liquid

Bulk density: Not available

SECTION 10. TOXICOLOGICAL INFORMATION

Not available, there are no ingredients classified as carcinogens according to IARC, ACGIH, NTP or OSHA.

SECTION 11. ECOLOGICAL INFORMATION

The product contains naturally occurring soil microbes.

SECTION 12. TOXICITY

Aquatic toxicity: No further relevant information available.

Persistence and degradability: Easily biodegradable.

Bioaccumulative potential: Product is not expected to bioaccumulate / Not determined.

Mobility in soil: No further relevant information is available.

Additional ecological information

General notes: Generally not hazardous to water.

Other adverse effects: No further information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation

Recommended Hierarchy of Controls:

- Minimize waste.
- Reuse if not contaminated.
- Recycle, if appropriate or
- Safe disposal (if all else fails).

Contact waste processors for recycling information.

Use, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state or international legislation.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14. REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture: No further relevant information available.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 15. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor / manufacturer assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described above.