

Aboveground storage tanks containing liquid fertilizer

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Storage and Handling of Liquid Fertilizers**

What is a Fertilizer Tank?

A fertilizer tank is a container designed to store and dispense liquid fertilizers. It typically consists of an inner tank that holds the fertilizer and an outer tank that provides structural support and protection.

How is Liquid Fertilizer Stored?

Liquid fertilizers are typically stored in bulk storage tanks aboveground or underground. Aboveground tanks are more commonly used and offer several advantages.

Storage Conditions for Fertilizers

Fertilizers should be stored under certain conditions to maintain their effectiveness and prevent degradation. These conditions include:

- Cool and dry location
- Away from sources of heat, light, and moisture
- In airtight containers to prevent contamination

Can You Store Liquid Fertilizer Outside?

Yes, you can store liquid fertilizer outside in aboveground tanks designed for outdoor storage. However, protect the tanks from extreme temperatures and sunlight.

Advantages of Above Ground Storage Tanks

- Easy to access and inspect
- Less costly to install and maintain than USTs
- Reduced risk of contamination by groundwater

Difference Between UST and AST

UST stands for Underground Storage Tank, while AST stands for Aboveground Storage Tank. USTs are typically used for storing flammable liquids and hazardous materials, while ASTs are primarily used for non-flammable substances like liquid fertilizers.

OSHA Requirements for Above Ground Fuel Tanks

OSHA (Occupational Safety and Health Administration) has specific requirements for above ground fuel tanks, including:

- Secondary containment to prevent spills and leaks
- Proper labeling and placement
- Regular inspections and maintenance

Does Liquid Fertilizer Have a Shelf Life?

Yes, liquid fertilizers have a shelf life. The storage conditions and the type of fertilizer will affect its longevity. Organic liquid fertilizers have a shorter shelf life than inorganic fertilizers.

How to Preserve Organic Liquid Fertilizer

To preserve organic liquid fertilizers, store them in cool, dark conditions and add a preservative to prevent microbial growth.

Will Liquid Fertilizer Freeze?

Yes, liquid fertilizers can freeze if stored in temperatures below their freezing point. Freezing can damage the fertilizer and reduce its effectiveness.

How to Store Water Soluble Fertilizer

Water soluble fertilizers should be stored in airtight containers in a cool, dry location. Avoid exposure to moisture and direct sunlight.

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