

Beyond Green Cleaning

2901-005, 2900-005, 2900-055
HF Acid Eater™

Description

- Chemically transforms Hydrofluoric Acid into safe, non-toxic inorganic salts which are disposable in sanitary (waste water) drains eliminating 100% of disposal costs.
- A 1:1 neutralization ratio, unlike caustic soda and soda ash.
- Completely attacks and destroys the Hydrofluoric Acid polymer unlike soda ash and caustic soda which forms bi-fluoride, a dangerous and poisonous substance.
- A liquid medium which can be used to pour on spills and remove residue from containers and vertical surfaces, and can be used in a variety of settings such as windy and wet conditions.
- pH indicators that change colors in the presence of Hydrofluoric Acid and changes colors again when neutralized taking out the guess work.
- Does not require special equipment, handling or storage.

Safety Spill Kit



Item # 2901-005

Technical Information

Usage	Dilution Ratio	RTU
Physical Properties	Appearance	Liquid
	Color	Beige
	Fragrance	None
	pH	8
	Flash Point	None
	Phosphate	None
	Shelf Life	Minimum 1 Year
Primary Packaging	2900-005	(1) 5 gal./18.9 L
	2900-055	(1) 55 gal./208 L

Technology

Hydrofluoric Acid is one of the strongest and most corrosive acids known. Therefore, special safety precautions are necessary when using this chemical. Hydrofluoric Acid is similar to other acids in that the initial extent of a burn depends on the concentration, the temperature, and the duration of contact with the acid. Hydrofluoric Acid differs, however, from other acids because the fluoride ion readily penetrates the skin, causing destruction of deep tissue layers, including bone.

HF exits in a polymer chain. It can be partially neutralized by an alkali, but will not destroy the polymer. The intact polymer can still complex up the calcium in our blood, muscles and nervous system. This complexing action is what poisons and stops the motion of the blood, muscles and nervous system. The only way to stop and break the polymer is to complex the calcium and raise the pH with HF Acid Eater™.

Application

Atomize HF Acid Eater™ into the air surrounding spill to neutralize any vapors and reduce initial odors with spray apparatus. Gently pour and/or spray the HF Acid Eater™ on the spill working from the outside of the spill inward. HF Acid Eater™ will change colors in the presence of hydrofluoric acid from a beige color to red indicating the neutralization process is complete. Wipe, mop or allow the spill to air dry. Rinse personnel protective equipment with plenty of water to remove any chemical residues before re-using.



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