

## SPILL-X-A Acid Neutralizing/Solidifying Spill Treatment Agent

### Features

- Single-step agent application
- Renders neutral salt for clean-up and disposal
- Free-flowing agent can be applied directly from pail, shaker, drum, or with SPILL-GUN applicator
- Easy open pail cover makes tools unnecessary and reduces spill response time
- Complete instructions with pictograms guide the user from start to finish during spill clean-up
- Instructions include application list of field tested chemicals
- Application rates for the most common acid spills included in the instructions

### Application

SPILL-X-A acid neutralizer is a product specifically formulated to treat spills of common mineral and organic acids. Laboratory and field tests have shown SPILL-X-A agent to be effective at neutralizing and solidifying spills of many acids including sulfuric, hydrochloric, nitric, phosphoric, perchloric, formic, acetic, chlorosulfonic, 70% hydrofluoric, and oleum to name a few. SPILL-X-A agent should be placed anywhere acids are handled and where the possibility of an acid spill exists. This includes shipping and receiving areas, acid container storage locations, and acid use and transfer operation sites.

### Description

SPILL-X-A agent is a proprietary product comprised of magnesium oxide blended with other chemical additives. Manufactured to meet rigorous specifications, the agent is a free-flowing dry chemical which is itself environmentally non-toxic. SPILL-X-A agent has a reddish coloration to differentiate it from other spill control compounds.

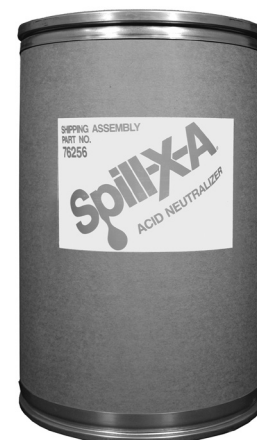
Because all SPILL-X brand agents are formulated for chemical spill **treatment**, predictable and effective control of your hazardous spills is now possible. Specifically, when properly used, SPILL-X-A agent changes the pH of a hazardous acid spill so it no longer exhibits the Environmental Protection Agency characteristic of corrosivity for hazardous waste; a pH less than or equal to 2 or greater than or equal to 12.5.

Disposal of spill waste material must meet local, state and federal regulations.

Sealed in moisture-resistant plastic pails, SPILL-X-A agent has an indefinite shelf life. For maximum readiness, SC-30-A SPILL-GUN applicators, charged with SPILL-X-A agent, are designed to be weather and corrosion resistant and remain operable over a temperature range from -65 °F (-54 °C) to 120 °F (49 °C).



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## Performance

A typical 5 gallon (18.9 L) acid spill can spread out to cover over 130 ft<sup>2</sup> (39.6 m<sup>2</sup>) of area. On average, one pail of SPILL-X-A agent can neutralize and solidify this size spill. In contrast, traditional spill response techniques use large quantities of common sorbents like sand or pillows, all of which acquire the hazardous characteristic of corrosivity upon contact with the acid spill, and thus compound the amount of hazardous spill waste residue to be disposed.

From the time that SPILL-X-A agent is applied to a spill until the time the treatment reaction is complete generally takes 10 to 20 minutes depending on the type and amount of acid treated. The agent is designed to produce a predictable and mild reaction, generating only moderate heat. Properly treated spills will have a paste-like appearance and will harden rapidly for easy cleanup.

The following is a partial list of acids which can be neutralized with SPILL-X-A agent and the predominant residue (salt) which results from each. Referencing an authoritative chemical dictionary and other handbooks can help in your understanding of the nature of the spill waste residue generated.

Acid	Predominant Residue Remaining
Sulfuric	Magnesium sulfate (Epsom salt)
Hydrochloric	Magnesium chloride
Nitric	Magnesium nitrate
Phosphoric	Magnesium phosphate, dibasic
Hydrofluoric	Magnesium fluoride

Additional treatment information, including agent use ratios, is available in the SPILL-X Spill Control Treatment Guide (Part No. 78908).

## Product Properties

Density	1.042 g/cc
Alkalinity	pH <12.0
Hygroscopicity	less than 2%

### Fill Weights

Agent Containers:	
plastic pail	50 lb (22.7 kg)
fiber drum	200 lb (90.8 kg)
SPILL-GUN Applicator: SC-30-A	30 lb (13.6 kg)

## Ordering Information

For small acid spills, such as those which occur in labs and stockrooms, choose the SPILL-X-A Spill Treatment Shakers.

Part No.	Description
76255	50 lb (22.7 kg) Pail SPILL-X-A Agent
76256	200 lb (90.7 kg) Drum SPILL-X-A Agent
78776	SPILL-X-A Treatment Kit (Six 2.5 lb (1.1 kg) Containers)
77255	SPILL-X-A Refill
76083	SC-30-A Spill Applicator



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For additional information concerning Treatment Kits, see Data Sheet F-2009070. For information concerning SPILL-GUN applicators, see Data Sheet F-2009069.

**Note:** The converted values in this document are provided for dimensional reference only and do not reflect an actual measurement.

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