

SPILL-X-FP® FORMALDEHYDE POLYMERIZER SPILL TREATMENT AGENT

Data/Specifications



FEATURES

- Free-flowing agent can be applied directly from pail or shaker
- Renders plastic-like material for quick clean-up and disposal
- Easy open pail cover makes tools unnecessary and reduces spill response time
- Complete instructions with picto-grams guide the user from start to finish during spill clean-up
- Application rates included in the instructions
- Chemically changes formaldehyde to stop evaporation
- Reduces vapors released during clean-up

APPLICATION

SPILL-X-FP® formaldehyde polymerizer has been developed to treat spills of formaldehyde solutions. Treatment of formaldehyde spills means that the formaldehyde has been chemically changed so that it is no longer able to evaporate into the surrounding work area. SPILL-X-FP agent is a urea based formulation that chemically reacts with formaldehyde to form a urea-formaldehyde polymer (polynoxylin). Proper application of SPILL-X-FP agent on spilled concentrated formaldehyde solutions actually results in the formation of a plastic-like material which can quickly be removed. Dilute formalin solutions also react with SPILL-X-FP agent. In either case, you have eliminated the source of formaldehyde vapors which allows you to quickly remove the spill and restore operations.

Conventional spill control methods such as clay, sand, or absorbents allows the formaldehyde to continue to evaporate into the surrounding air until the sorbents have been removed. SPILL-X-FP agent begins to react immediately upon application and can reduce formaldehyde exposures. By reducing the amount of formaldehyde vapors and stopping their release, the amount of downtime you experience can be greatly reduced.

Apply in accordance with the ANSUL® Spill Control Treatment Guide (Part No. 78908).

DESCRIPTION

SPILL-X-FP agent is a free flowing material which has a green color to differentiate it from other ANSUL® spill control agents. It is available in easy open pails and is effective straight from the container by simply using a scoop or shovel. This 37 lb (16.8 kg) container has the added feature of an easy to read "Recommended Spill Response Procedure" label. These instruction labels guide the user through a spill situation from start to finish.



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PERFORMANCE

SPILL-X-FP agent has been developed to react with all your formaldehyde solutions. The reaction of SPILL-X-FP agent with aqueous formaldehyde has been examined in a series of varying environments. Studies show the reaction is both temperature and concentration dependent with respect to formaldehyde solution strength. Agent components have been formulated to regulate the reaction at an acidic pH, yielding a positive effect on reaction rate.

TREATMENT INFORMATION

Typical treatment capacities for concentrated formaldehyde solutions are listed below:

Formaldehyde Concentration (Wt. %)	Polymerization per Pail of SPILL-X-FP Agent		Polymerization per Drum of SPILL-X-FP Agent	
	Gal	(L)	Gal	(L)
37	3.88	(14.7)	18.4	(69.7)
30	4.83	(18.3)	22.8	(86.4)
20	7.42	(28.1)	35.1	(132.9)

Proper spill treatment yields a solid residue in the case of formaldehyde solution strengths between 15% and 37% (weight/weight). Initiation of the treatment reaction is evidenced by a cloudy appearance to the aqueous formaldehyde one to five minutes after agent application. Reaction completion is easily determined by the materialization of a plastic-like solid (polyoxoynin).

In cases where the formaldehyde solution strength is less than 15%, solidification is slow or will not occur completely. Even though solidification has not occurred at less than 15% solution strength, polymerization and the reduction of vapors will have taken place. Any remaining liquid residue can be solidified by adding SPILL-X-S agent. See "Treatment Information" for proper SPILL-X-FP agent application rates. Further details of SPILL-X-FP agent reactions are available upon request.

PRODUCT PROPERTIES

Appearance	Green
Density	0.83 g/cc
pH.	2.2
Fill Weights	
Agent Containers	
Plastic Pail	37 lb (16.8 kg)

ORDERING INFORMATION

Select the best method of dealing with spills of formaldehyde to help meet your hazardous chemical spill control requirements. For small formaldehyde spills such as those in labs and stockrooms, choose the SPILL-X-FP Spill Treatment Kit.

Part No.	Description
78443	37 lb (16.8 kg) Pail SPILL-X-FP Agent
73834	SPILL-X-FP/S Treatment Kit (Six Containers – three SPILL-X-FP and three SPILL-X-S)
78435	SPILL-X-FP Refill



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For additional information concerning Treatment Kits, see Data Sheet F-2009070.

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