

**ENVIROGRAF®**

3-2-1 FIRE RETARDANT LIQUIDS

PRODUCTS 66 & 67 DATA SHEET

IDENTIFICATION AND DESCRIPTION

Intumescent Systems Ltd has developed a range of liquid fire retardant solutions to treat a wide range of inflammable materials that are often the initial items that ignite in major fires. The 3-2-1 range is suitable for many common types of materials, upholstery, bedding, mattresses, curtains, carpets, polyurethane foam, Christmas trees, paper, theatrical materials, etc.

3-2-1 Standard spray is an ideal fireproof treatment for cardboard and paper surfaces. A light spray will inhibit flames and prevent burning (the surface will simply turn black). For printed and decorative papers or wallpapers, it is best to apply the 3-2-1 Standard spray to the back of the paper. When the wallpaper has been treated, you can then apply the wallpaper adhesive and hang the wallpaper. If the wallpaper is already hung on the wall, it is best to try 3-2-1 Standard in a discreet area to determine whether the paper is colour-fast and the colour does not run. Standard velour paper only requires a fine coating (just enough to dampen the paper) to prevent it from burning. If wallpaper is of a hessian type or has a metallic finish, it is most important to perform a test application of 3-2-1 Standard on a small sample and then let it dry, to ensure that it doesn't change the colour or finish. If the colour or finish is changed by the spraying, then this paper can only be sprayed on the back before hanging.

REQUIREMENTS

STANDARDS AND APPROVALS

The 3-2-1 range has been extensively tested on many types of fabrics. Tested at UKAS-accredited test centres.

COMPATIBILITY

The Envirograf® 3-2-1 range is compatible with many types of materials. A test for colour fastness should be performed before application.

HEALTH & SAFETY

EYE CONTACT: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, seek medical advice. It is advisable to wear gloves when using 3-2-1.

SKIN CONTACT: Wash skin thoroughly with soap and water or use proprietary skin cleaner.

INGESTION: If accidentally swallowed drink plenty of cold water and if necessary seek medical attention.

KEEP AWAY FROM CHILDREN: This product has been tested for Antimony content and was found to be safe. Can be used on children's bedding, clothing, and toys.

TECHNICAL DESCRIPTION

COMPOSITION

Envirograf® 3-2-1 comprises ammonium polyphosphate base and inorganic halide.

PERFORMANCE

FIRE

The 3-2-1 range has been successfully tested on a wide range of fabrics, mattresses, carpets, and upholstery according to the relevant British Standards.



Successful ageing and wearing tests have been done at the Shirley Institute as well as a variety of washing tests.

Test Reports are available on request.

EXEMPTIONS

100% nylon and polypropylene are not suitable for treatment with 3-2-1.

ENVIRONMENTAL/BIOLOGICAL

Envirograf® products are resistant to fungi, insect attack, bacterial action, and are not susceptible to rodents and other vermin.

MAINTENANCE, REPAIR, REPLACEMENT, DISPOSAL

When required the treated material can be simply disposed of - no special conditions of disposal are necessary.

LABOUR

It is advisable that instruction is taken from your nearest Envirograf® regional office for the application of these systems. It is important that the manufacturer's instructions are followed.

QUANTITIES AND ORDERING REFERENCES

Supplied in 500ml spray bottles or regular bottles from 1 litre to 5 litres, plus drums of 25 litres. Spray packs of 2½ litres and 3½ litres are also available, including spray bottles.

Order: 3-2-1 (Standard) – 3-2-1/S (Special, for artificial flowers).

QUALITY MANAGEMENT

Intumescent Systems Ltd is an ISO9001 company and operates a quality management system according to the relevant British Standards.

REGIONAL OFFICE:

Disclaimer: The 3-2-1 range has been successfully tested on a wide selection of commonly available fabrics, carpets etc. However, it cannot be guaranteed to raise the performance of all materials to the required standard. Additional testing can be carried out if appropriate

MEMBER OF
THE FIRE
PROTECTION
ASSOCIATION



**PROTECTING PROPERTY
PROTECTING LIVES**



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