

Technical Data Sheet

FA45%

Aqueous Formalin solution

FA45% is an aqueous formalin solution typically used as a chemical in various binders and adhesives such as formaldehyde-based resins

FA45% is also used in the food and cosmetic industry and as a preservative in some paints and coating products.

Typical Applications

- Chemical for Binders and Adhesives
- Preservative in food and cosmetic industry
- Preservative in some paints and coating products

Appearance:

Clear colourless liquid with an irritating odour

PROPERTIES ⁽¹⁾	VALUE	UNIT	TEST METHOD
pH @ 25°C	<4.3	~	EN 1245 E2
Formaldehyde	44.0 – 46.0	% (m/m)	EN 1243:2011
Formic Acid	<500	ppm	Internal Test Method
Methanol	<3	% (m/m)	ASTM D2380-04

⁽¹⁾ Typical values; not to be construed as specification limits.

PACKAGING:	FA45% is sold in bulk only.
STORAGE & HANDLING:	<p>Formaldehyde FA45% must be stored in stainless steel tanks with heating coils at a minimum temperature of 45°C.</p> <p>Separation of a least 3 m from the following classes is recommended:</p> <ul style="list-style-type: none"> • Flammable Liquids • Flammable Solids • Spontaneously Combustibles Poison <p>Fire separation of a least 5 m or 4 hr fire resistance wall from the following classes is recommended:</p> <ul style="list-style-type: none"> • Flammable Gases • Oxidizing Agents • Organic Peroxides <p>Storage in the same room or space is prohibited with the following classes. The rooms or spaces should be at least 10 m apart.</p> <ul style="list-style-type: none"> • Explosives • Radioactive Materials
SHELF LIFE:	No specification if kept at the recommended temperature.

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<p>Product Stewardship</p>	<p>At Safripol*, protecting people and the environment will be a part of everything we do and every decision we make. Each employee has a primary responsibility in ensuring that our products and operations meet applicable government standards.</p> <p>Our goal is to eliminate all injuries, prevent adverse environment and health impacts, reduce wastes and emissions and promote resource conservation at every stage of the life cycle of our products. The success of this rests with each and every individual involved with Safripol* products throughout the life cycle.</p>
<p>Food Contact Compliance</p>	<p>The constituents of the FA45% Aqueous Formalin solution and consequently the products thereof comply with Commission Regulation (EU) No 10/2011 and with U.S. FDA 21 CFR 175.300(b)(xiii) food contact regulations when chemically modified with alcohols and processed according to good manufacturing practices for food contact applications. The purchaser remains responsible for determining whether the use complies with all relevant regulations.</p>
<p>Customer Notice</p>	<p>Safripol* strongly encourages its customers to review both their manufacturing processes and their applications of Safripol* products from the standpoint of human health and environmental quality to ensure that Safripol* products are not used in ways for which they are not intended or tested. Safripol* personnel are available to answer your questions and to provide reasonable technical support. Safripol* product literature, including safety data sheets, should be consulted prior to use of Safripol* products. Current safety data sheets are available from Safripol*.</p>
<p>Safripol Medical Application Policy</p>	<p>Safripol* will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:</p> <ol style="list-style-type: none"> permanent (Long term) contact with internal body fluids or internal body tissues. Long term is a use which exceeds 72 continuous hours. use in cardiac prosthetic devices regardless of the length of time involved; (Cardiac prosthetic devices include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass assisted devices); use as a critical component in medical devices that support or sustain human life; or use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction. <p>Additionally, all Products intended for use in pharmaceutical applications, other than pharmaceutical packaging, must pass the current Pharmaceutical Liability Guidelines.</p> <ul style="list-style-type: none"> New business opportunities require a business assessment prior to sale or sampling of Safripol* products. Authorized distributors and resellers will adhere to this medical policy. Safripol* does not endorse or claim suitability of their products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Safripol* product is safe, lawful, and technically suitable for the intended use. SAFRIPOL* MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY SAFRIPOL* PRODUCT FOR USE IN MEDICAL APPLICATIONS.
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Additional Information

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