



TECHNICAL DATA SHEET

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SOLAKRYL BT – 55**Characteristics**

SOLAKRYL BT 55 is a solution acrylic resin based on polybutylmethacrylate dissolved in toluene which finds a wide range of applications in wood treatment.

Use

- renovation, preservation and handling of wood – protection and restoration of monuments

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SOLAKRYL BT 55 is highly suitable for the consolidation (petrification, hardening) of wood mass infested with wood boring beetles, fungi and mould. The density of the preparation is chosen according to the extent of infestation. Early stages of infestation require a thinner solution while thicker solutions are applied to more extensively infested areas. The preparation can be thinned with toluene or xylene. In general, these ratios are applied: from 1 : 6 (smaller density preparation) up to 1 : 2 (thicker preparation). However, specific thinning depends on the actual condition of an object to be restored and should be tested first. Impregnation is applied by painting, immersion, injecting at atmospheric pressure or by low-pressure impregnation.

The preparation can also be used to **protect printed circuits in electrical engineering.**

Packaging: Cans: 1 kg, 5 kg, 10 kg Barrels: 180 kg

Storage: Store in sealed original packaging units in a cool, well-ventilated storeroom under the conditions specified for the storage of flammable substances of class II.

Physical-chemical properties**General:**

Form (20°C): viscous liquid

Colour: colourless to yellowish, viscous

Odour (smell): of toluene

Non-volatile organic compounds (dry matter): 52-56 %

Glass transition temperature: approx. 45 °C

Density: approx. 0.900 g/cm³

Solubility (at °C):

- *In water:* insoluble

In other solvents: soluble in benzene, toluene, xylene, acetone, ethyl acetate

Information regarding the protection of health, occupational safety and the environment:

Flash point (°C): 33

Self-ignition temperature (°C): > 470

Flammability: flammable liquid of class

Flammability class: I

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SOLAKRYL BT – 55**Stability and reactivity**

Conditions under which the preparation is stable: store at a maximum temperature of 20°C

Conditions to avoid: direct sunlight, higher temperatures

General classification of the preparation: Xn R 11-20/21-36/37/38-43

The most serious adverse effects on human health: Solakryl BT 55 may be harmful to health especially due to the content of toluene, a flammable solvent with narcotic effects. Toluene vapors have narcotic effects; depending on the duration of such effects and concentration vapors can cause a headache, nausea, vomiting, impaired balance, and even unconsciousness. Vapors also irritate the mucosa of the respiratory tract and conjunctivas. Chronic organ effects of toluene were not proven.

The preparation contains these hazardous ingredients:

<i>Chemical name:</i>	polybutylmethacrylate	toluene	dibenzoyl peroxide
<i>Approx. content in %:</i>	54	46	0.3
<i>CAS:</i>	97-88-1	108-88-3	94-36-0
<i>EINECS:</i>	202-615-1	203-625-9	202-327-6
<i>Warning symbol:</i>	Xi	Xn	Xi, E

Recommended cleanup and liquidation methods: Re-pump as much of the preparation as possible into barrels, gather it with materials that bond liquids (sand, sawdust, etc.), and remove contaminated soil. Solakryl BT 55 can also be liquidated in a hazardous waste incinerator whose operation is approved by relevant authorities.

Manufacturer and supplier

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