

**\*\*\*\* TECHNICAL DATA SHEET \*\*\*\*****PRODUCT NAME – STOP FIRE****Model No. SFP-TRANS-CZ****Product Name & Code:** Stop Fire - SFP-TRANS-CZ.**Product Description:** Water based Electro Chemically charged Special Proprietary Additives.**Intended Use:** Developed to apply on cloth & fabric to stop or arrest fire when exposed to flames (Water based Acrylic Thermal Insolation liquid / fire-retardant / stop fire propagation).**AREA OF USE:** - Tent, Railway Curtains, Schools, Train, Automobiles, Daycare, Nursing Homes, Restaurants, Hotels, Theatres, Raw Wood Paper Fabrics or Thatched Roof, Curtains Posters, Boxes, Uniform Clothing, Carpeting, Packing Materials Etc.**TECHNICAL SPECIFICATIONS**General Physical Characteristics

1	Nature	Fire preventing clear liquid
2	Physical State	Liquid
3	Total solid	30 %
4	PH	4
5	viscosity	14 sec.
6	Specific gravity	1.1
7	Colour	Clear to Pale Yellow aqueous solutions
8	Shelf life	6 months in seal condition
9	Health hazardous	If handled in good industrial hygiene and safety practice it is not health hazardous
10	Weathering properties	Algae & fungal resistant
11	Reactivity	0
12	coverage	80- 250 square feet per liter depending on nature of the substrate
13	Boiling	Not applicable
14	Odor	Odorless
15	Melting point	Decomposes at 160°C and above
16	Flash point	The product is non-flammable. Hence flash point could not be determined
17	Application	Dip coating or spraying
18	Drying time	50 minutes on an average (depending on climate and nature of substrate)
19	Rate of Evaporation at Room	0.56 gm/hour

Fire Retardant Characteristics

Sr. No.	Test Parameters	Specification	
1	Cloth temperature – 4 inches from flame exposed area	180° C	
2	Any evidence of melting or dripping of cloth	No	
3	<b>Fire Retardant after ignition</b>	<b>Cloth starts burning</b>	<b>Continues to flame after removal of ignition source</b>
3.1	1 minute	No	No
3.2	30 minutes	No	No
3.3	60 minutes	No	No
3.4	120 minutes	No	No
3.5	180 minutes	No	No
3.6	240 minutes	No	No
3.7	300 minutes	No	No
3.8	360 minutes	No	No

**APPLICATION PROCEDURE**

**For fabrics:-** soak the fabrics in the chemical and let it dry. Iron press the fabric and it is ready as fire resistant fabrics, just spray the chemical and allow it to dry if the SFP-TRANS are used to fire retard clothing carpeting and other fabrics it is recommended that SFP-TRANS be reapplied after washing as the effectiveness will be diminished due to washing.

**NOTE:-** Remember to coat all areas, as a single exposed region can compromise the fire-repellent nature of the entire substrate.