

FireSafe

New Technology Fire Prevention

FireSafe

Product Description

FireSafe is a proprietary formula that has been developed into a variety of products that effectively protect flammable materials from fire ignition and flame spread

FireSafe products include :

- interior paints
- exterior paints
- clear coatings
- wood preserver
- fire extinguisher liquid
- fireproof coating
- forest fire liquid



FireSafe

Presentation Outline

Video Demo on EPS foam board	5	FireSafe - Potential Markets	17
Video Demo with hand and torch	6	Product Line	18
FireSafe - Properties & Benefits	7-9	Potential Applications	19
FireSafe - Safety Certifications	10-13	Business Model	20-22
FireSafe - Applications	13-16	Contact Information	23

FireSafe Video #1

PolyStyrene Foam Demo

- A video showing FireSafe paint in action
- “a picture is worth a thousand words”



FireSafe Video #2

Hand and Torch Demo Video

- A video showing FireSafe protective foam product in action
- “a picture is worth a thousand words”





FireSafe

Features & Benefits

- ◆ FireSafe prevents ignition / spread of fire when coated on flammable surfaces
- ◆ Contains ZERO Volatile Organic Compounds (VOCs) meaning no toxic fumes when exposed to fire
- ◆ Can be applied in form of a durable membrane, a paint or as a clear coating, and more
- ◆ FireSafe is also VERY effective at blocking heat transfer to material surface

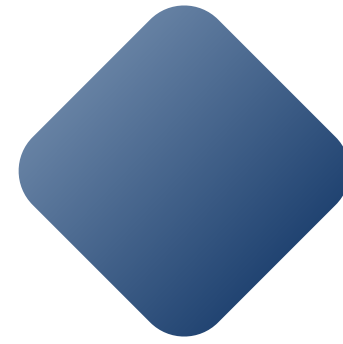
FireSafe Coatings

Material Properties

- Water-based and odorless formula - warm water and soap clean-up
- Non-Toxic - Contains ZERO Volatile Organic Compounds (VOCs) - so emits no toxic fumes when exposed to heat / fire
- Safe around people, plants and pets
- For BEST coverage and fire protection, 2 coats are recommended

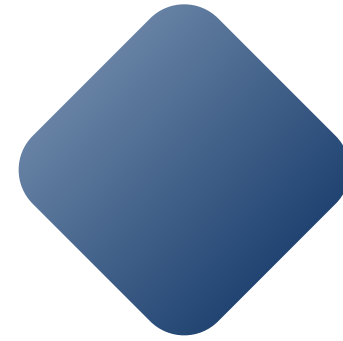
FireSafe

MOST Distinguishing Features



Effective Against Fire

Barrier against ignition and flames



Effective Against Temperature

Blocks temperature transfer to layer behind



ZERO VOCs

Does **NOT** emit toxics fumes
Safe for enclosed spaces



VERSATILE

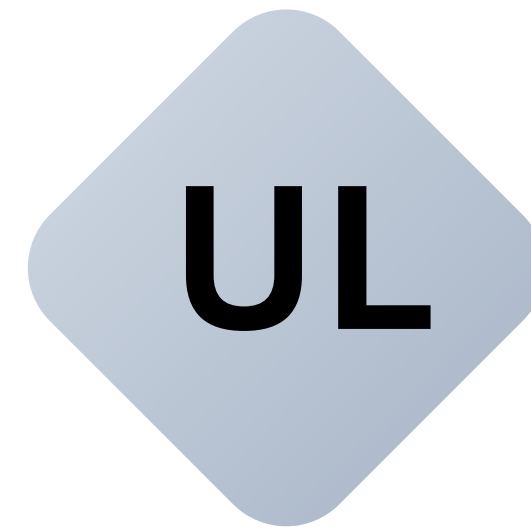
FireSafe Technology can be applied
to a variety of applications

FireSafe Certifications

FireSafe has been the subject of SERIOUS industry testing



Tested to ASTM E-84
Steiner Tunnel Test



UL Certification secured
through confirmation of
ASTM E-84 Testing

ASTM E-84

(Steiner Tunnel Test)

Test Protocol



FM Approval Report



FireSafe Coatings

Application Notes

- Application options: by brush, roller or spray
- Application temperature conditions
recommended between 10 - 32 C (50 - 90 F)

FireSafe Applications

BUILDING MATERIALS

WALLS

DOORS

ROOFS

CEILINGS

PASSENGER VEHICLES

EV BATTERY SHIELD

FIRE WALL BARRIER

ELECTRIC WIRES

EV BATTERIES

ENERGY UTILITIES

PROPANE TANKS

BULK FUEL TANKS

PIPELINES

UTILITY ROOMS

ELECTRIC PANELS

CONSUMER PRODUCTS

FURNITURE

MATTRESSES

FABRICS

FIRE FIGHTING

ECO-FRIENDLY FLUID

IMPROVED SPRINKLERS

FOREST / WILD FIRES

CONSTRUCTION APPLICATIONS



INDUSTRY APPLICATIONS



FireSafe Markets

RESIDENTIAL

HOMES

APARTMENTS

CONDOS

SCHOOLS

PUBLIC BUILDINGS

OFFICES

HOSPITALS

OIL & GAS

PIPELINES

REFINERIES

TANKS

INDUSTRY

MINING

AG

MFTG

FORESTRY

ENERGY

CARs

TRUCKs

TRANSPORTATION

BOATS / SHIPs

RVs

AIRCRAFT

TRAINS

FireSafe Product Line

FireSafe 100 - Protection for a variety of materials

- Available in paint, stain & clear
- more text here

FireSafe 200 - Protection for a variety of materials

- paint product - FM / UL / ULC fire rated
-

FireSafe 300 - Durable, flexible coating / membrane

- suitable for waterproofing
- ideal for roofing and foundation applications

Development & Testing

Exploring MORE FireSafe Applications



Using FireSafe in Fire
Extinguishing Systems



Using FireSafe to protect
against the fire hazard of
batteries in EVs



Using FireSafe to protect
cabins of passenger
vehicles like buses, trains
and even aircraft



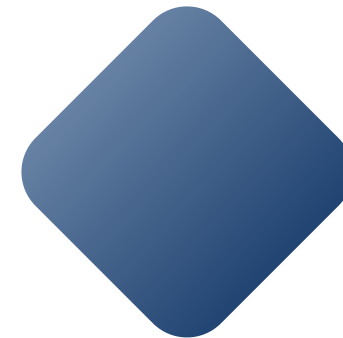
Using FireSafe as an
environmentally friendly
alternative to firefighting
chemicals

FireSafe Business Model



Manufacturer Direct Sales to Business

We sell to product distributors, manufacturers and application contractors



FireSafe Applicators to be Factory Trained

FireSafe application training is requirement for an applicator / client supply agreement

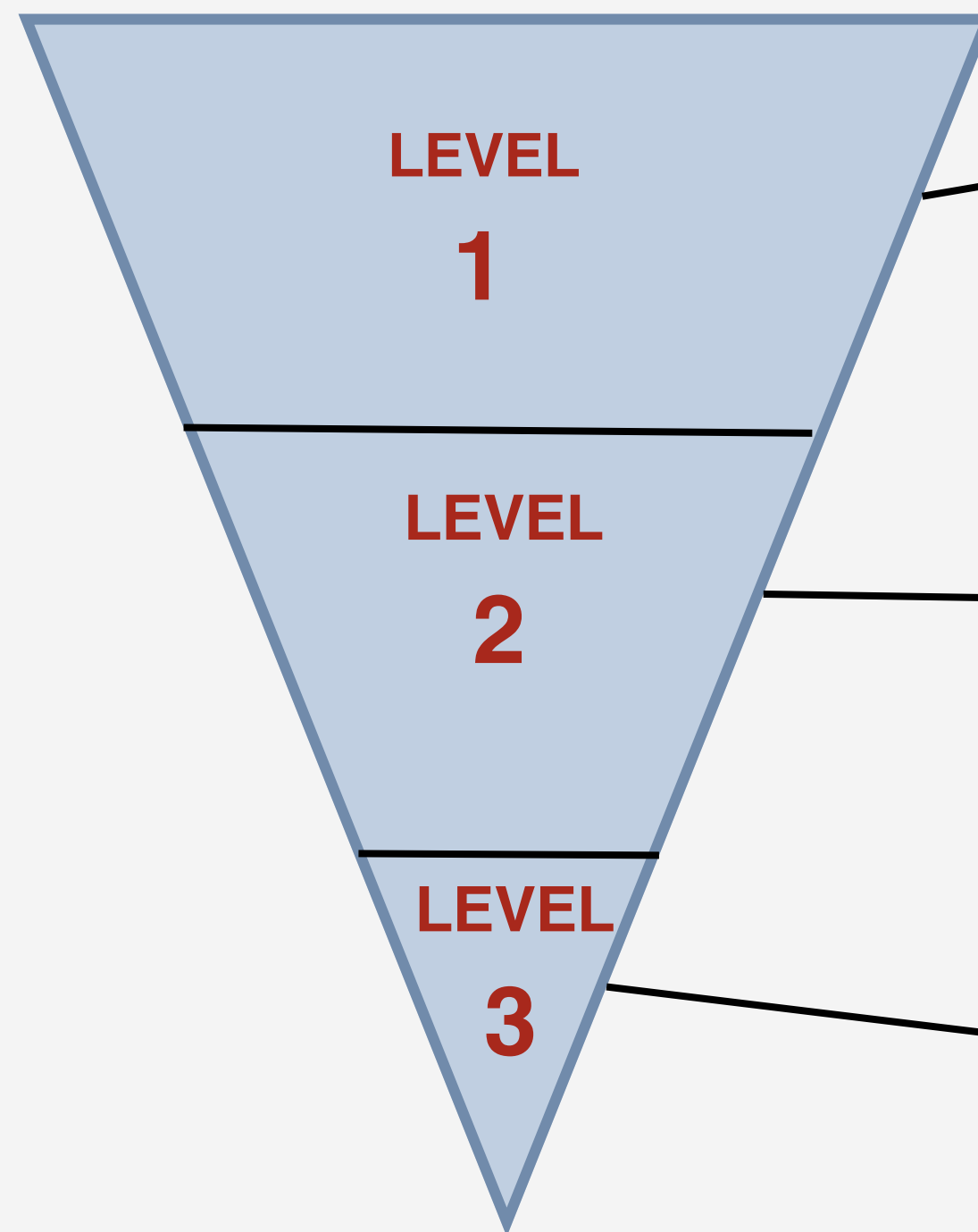


Supply Contracts

We do NOT sell into the retail market
FireSafe business is dedicated to supplying commercial / industrial clients

FireSafe Product Support

- Star Polymers prioritizes product technical support as an essential service for every product.
- We are ready, eager and willing to get our clients the information needed to experience the best possible result - including:
 - selecting the right product
 - precise details for applications
 - help solve problems on the job
 - even make product refinements to better suit very specific needs



PRODUCT FEATURES

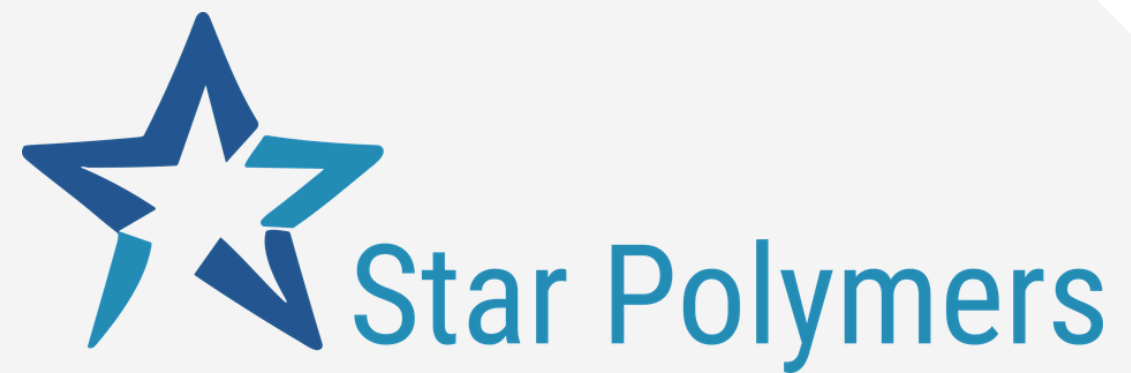
- providing product details including specifications, testing, etc.
-

APPLICATIONS SUPPORT

- We go beyond reading a product sheet
- Our support team have decades of hands-on experience

VERY TECHNICAL

- the most technical product questions
- we may even confer with the product chemist to answer certain questions



Other Services



CONSULTING

Matching project needs
with 100s of formulations



CUSTOM FORMULATIONS

We can tweak our formulas
to provide a better fit to
client's specific needs



COLLABORATIONS

We can lend our expertise to
collaborate on bigger projects