



ForceField® Fabric Protector RTU - Aqueous

SAFETY DATA SHEET

SECTION 1 – CHEMICAL AND COMPANY IDENTIFICATION:

Product Name:	Fabric Protector - Aqueous	Date Printed:	10/9/2018
Product Use/Class:	Fabric, Upholstery, Carpet & Rug Treatment	Product ID:	F FPAR
Supplier:	Shield Industries, Inc.	Manufacturer:	Shield Industries, Inc.
Address:	131 Smokehill Lane Woodstock, GA 30188 - USA	Address:	131 Smokehill Lane Woodstock, GA 30188 – USA
Telephone:	770-517-6869	24 Hour Emergency Hotline:	800-535-5053

SECTION 2 – HAZARD IDENTIFICATION:

Physical hazards:	Not applicable	-----
Health hazards:	Not applicable	-----
	Skin irritation	Category 3
	Specific target organ toxicity, single exposure	Category 3
Environmental hazards:	Not classified.	
OSHA defined hazards:	Not classified.	

Label elements:



Signal word: Warning

Hazard statement May cause respiratory irritation. (H335)

Precautionary statements:

Prevention: Wear protective gloves/protective clothing/eye protection/face protection. (P280)
Wash hands and exposed skin thoroughly after handling. (P264)
Read label before use. (P103)
Avoid breathing vapours. Do not aerosolize or atomize. (P261)
In case of inadequate ventilation wear respiratory protection. (P285)

- Response:** IF SWALLOWED: Get medical advice/attention. (P301 + P313)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)
- Storage:** Keep out of reach of children. (P102)
- Disposal:** Dispose of contents/container to an approved waste disposal plant. (P501)
- Hazard(s) not otherwise classified (HNOC):** None.
- Supplemental information:** None.
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SECTION 3 COMPOSITION/INFORMATION ON COMPONENTS

<u>COMPONENTS</u>	<u>CAS NUMBER</u>	<u>%</u>
Water	7732-18-5	98 - 99 %
Fluorinated acrylic polymer	Trade Secret*	1 - 2 %

* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Additional Information:

Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below:
None

SECTION 4 FIRST AID MEASURES

- Inhalation:** Move person to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If systems persist, obtain medical attention.
- Skin contact:** If on skin, wash thoroughly with water. If on clothes, remove clothing. While not expected, get medical attention if irritation develops and persists.
- Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Keep eyes wide open and continue rinsing. Get medical attention if irritation develops and persists.
- Ingestion:** Call a physician (or POISON CONTROL CENTER) immediately. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed:

May cause respiratory irritation if aerosolized or atomized vapours are inhaled.

Indication of immediate medical attention and special treatment needed:

If ingested: Immediately seek medical attention. Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information:

More affected persons from dangerous area. Do not leave victim unattended. Ensure that medical personnel are aware of the material(s) involved. Show this safety data sheet to the doctor in attendance.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media:

Non-combustible. Use media appropriate for surrounding fire.

Unsuitable extinguishing media:

None anticipated.

Specific hazards arising from the chemical:

Combustion or thermal decomposition will evolve toxic and/or irritant vapours. Forms fumes of oxides of carbon, hydrogen fluoride, perfluoroisobutylene, carbonyl fluoride, and fluorinated organic compounds.

Special protective equipment and precautions for firefighters:

Firefighters should use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and self-contained breathing apparatus (SCBA).

Fire-fighting equipment/instructions:

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up.

Specific methods:

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards:

None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Avoid skin contact. Do not get in eyes. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

Environmental precautions:

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage if safe to do so. Inform appropriate managerial or supervisory personnel and authorities of all environmental releases.

Methods and materials for containment and cleaning up:

Contain spillages and then collect with sand, earth, diatomaceous earth, vermiculite, or any other suitable adsorbent material. Collect spillage. Transfer to a container for disposal or recovery. Following product recovery, flush area with water. If possible prevent water running into sewers.

Reference to other sections:

For waste disposal, see section 13 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Avoid breathing mist/vapours/spray. Do not aerosolize or atomize. Do not use in areas without adequate ventilation. Smoking, eating and drinking should be prohibited in the application area. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Advice on protection against fire and explosion:

None – Product is non-combustible

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Keep cool. Store at temperatures not exceeding 50° C (122° F). Protect from freezing. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Avoid storing in the presence of oxidizing agents and alkalis. Avoid contact with Lewis acids, and the metals: aluminum, magnesium, and their alloys.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits:

US. ACGIH Threshold Limit Values

Components	CAS	Type	Value
None of the component of this product are known to have exposure limits.			

Appropriate engineering controls:

Suitable ventilation must be used during application. **Do not aerosolize or atomize.** For spray applications, use coarse spray device such as a trigger sprayer with particle size production greater than 15 microns. Use only low pressure (less than 60 psi) sprayer.

Individual protection measures, such as personal protective equipment:

Eye/face protection:

Wear safety glasses with side shields (or goggles).

Hand protection:

Wear appropriate chemical resistant gloves (Butyl rubber, Neoprene, or Natural rubber). Check with protective equipment manufacturer's data.

Skin protection/Other:

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection:

In case of insufficient local ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards:

Not normally required.

Environmental exposure controls:

Do not allow to enter drains, sewers, or waterways.

General hygiene considerations:

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical state: Liquid
Form: Liquid
Color: Slightly hazy, translucent/opaque, milky off-white

Odor: Characteristic, Mild

Odor threshold: Not available.

pH: 5.0 Approximately

Melting point/freezing point: Not available.

Initial boiling point and boiling range 100 °C estimated

Flash point: Non-combustible

Evaporation rate: Approximately 1 (water = 1)

Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits:

Flammability limit – lower (%): Not available.

Flammability limit – upper (%): Not available.

Explosive limit - lower (%): Not available.

Explosive limit - upper (%): Not available.

Vapor pressure: Not available.

Relative Vapour density: Similar to water. (air = 1)

Vapour pressure: Similar to water.

Relative density: 1.04 +/- 0.02

Solubility (water): Dispersible in water.

Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature: Not applicable.

Decomposition temperature: Not available.

Viscosity (kinematic cSt @ 40 °C): Not available.

Explosive properties: Not explosive.

Oxidizing properties: Not oxidizing.

Other information: None.

SECTION 10 STABILITY AND REACTIVITY

Reactivity:

The product is stable and non-reactive under normal ambient conditions of use, storage and transport.

Chemical stability:

Material is stable under normal conditions.

Possibility of hazardous reactions:

None anticipated.

Conditions to avoid:

Avoid contact with incompatible materials. Do not use/store in environments where temperatures can reach above 200° C as dangerous decomposition products may be generated.

Incompatible materials:

Strong oxidizing agents and alkalis. Avoid contact with Lewis acids, and the metals: aluminum, magnesium, and their alloys.

Hazardous decomposition products:

At temperatures over 200 C, or under fire conditions, thermal decomposition will evolve toxic and irritant vapours. Forms smoke of unknown toxicity: low molecular weight organic compounds; oxides of carbon, hydrogen fluoride, perfluoroisobutylene, carbonyl fluoride, and other fluorinatedorganic compounds.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation: Atomized or aerosolized mists may be extremely hazardous to respiratory tract.

Skin contact: May cause skin irritation and/or dermatitis.

Eye contact: Vapors may cause irritation to the eyes

Symptoms related to the physical, chemical and toxicological characteristics:

Atomized or aerosolized mists may be extremely hazardous to respiratory tract, resulting in difficulty in breathing in addition to causing irritation of nose and throat. Eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Skin irritation. May cause redness of skin.

Information on toxicological effects:

Acute toxicity:

<u>Components</u>	<u>CAS#</u>	<u>Test</u>	<u>Species</u>	<u>Test Results</u>
Fluorinated Acrylic polymer	-----	Acute Oral LD50	Rat	> 2,000 mg/kg

Skin corrosion/irritation: May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation: Vapours may cause eye irritation.

Respiratory or skin sensitization:
Respiratory sensitization: Vapours may cause irritation.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not expected to be a carcinogen

based upon IARC, ACGIH, NTP, or OSHA standards.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

Not listed.

Repeated dose toxicity:

No data available.

Specific target organ toxicity - single exposure:

No data available.

Teratogenicity:

No data available.

Aspiration hazard:

No data available.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Acute Toxicity:

<u>Components/CAS</u>	<u>Test</u>	<u>Species</u>	<u>Test Results</u>
No data available.			

Long Term Toxicity:

No data available.

Persistence and degradability:

Fluorinated acrylic polymer: Not readily biodegradable. (<80%)

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available.

Results of PBT and vPvB assessment:

Fluorinated acrylic polymer: Not classified as PBT or vPvB.

Other adverse effects:

None known.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment/disposal instructions:

Disposal should be in accordance with local, state, or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Waste from residues / unused products:

Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging:

Exercise caution as empty containers or liners may retain some product residues. Do not re-use empty containers. Do not burn, or use a cutting torch on, empty containers. Dispose of empty containers in accordance with federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

DOT

UN number: Not applicable
UN proper shipping name: Cleaning compounds N.O.S.
Transport hazard class(es):
Class: Not applicable
Subsidiary risk: -
Label(s): Not applicable
Packing group: Not applicable
Special precautions for user:
Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Environmental hazards: Not classified as hazardous for transport
Special provisions: None Assigned
Packaging exceptions:
None – Not classified as dangerous for transportation
Packaging bulk:
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

IATA

UN number: Not applicable
UN proper shipping name: Cleaning compounds N.O.S.
Transport hazard class(es):
Class Not applicable
Subsidiary risk -
Label(s) Not applicable
Packing group Not applicable
Environmental hazards Not classified as hazardous for transport
ERG Code Not applicable
Special precautions for user:
Read safety instructions, SDS and emergency procedures before handling. Read Safety instructions, SDS and emergency procedures before handling.
Packaging bulk:
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

IMDG

UN number: Not applicable
UN proper shipping name: Cleaning compounds, N.O.S.
Transport hazard class(es):
Class: Not applicable
Subsidiary risk: -
Label(s): Not applicable
Packing group: Not applicable
Environmental hazards: Not classified as hazardous for transport

Special precautions for user:

Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Packaging bulk:

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable

SECTION 15 REGULATORY INFORMATION

US federal regulations:

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List or polymer exempt.

TSCA Section 5 SNUR: (40 CFR 721.10536.

The Fluorinated acrylic polymer in this product is subject to an action under a TSCA section 5 (e) Consent Order between the US EPA and the chemical manufacturer.

TSCA 12(B): ACC#277055 Fluoroalkyl acrylate copolymer (subject to export notification).

CERCLA Hazardous Substance List (40 CFR 302.4)

No Listed materials.

SARA 311/312 – Superfund Amendments and Reauthorization Act of 1986:

Hazard categories:

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Sudden Release	No
Reactivity	No

SARA 313 – Toxic Chemicals (40 CFR 372):

No Listed materials.

SARA 302 – Extremely Hazardous Substances (40 CFR 355) Threshold Planning Quantity:

Not regulated.

US state regulations

U.S. California Proposition 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive effects.

SECTION 16 OTHER INFORMATION

NFPA RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

PREPARATION INFORMATION:

DATE CREATED: 01/01/06 LAST REVISION: 10/09/2018

CREATED/REVISED BY: R. Lasnik

This information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

End of SDS