



SoftClad™ Extra-Strength Fabric Protector

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**Product identifier**

Chemical Name	Mixture
Trade Name	SoftClad™ Extra-Strength Fabric Protector
CAS No.	Mixture

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Research and Development Fabric Water Repellent
Uses Advised Against	Commercial use prior to full regulatory clearance of the polymer.

Details of the supplier of the safety data sheet

Company Identification	Stir Technologies, LLC. PO Box 1197 Alamo, CA 94507 United States of America
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Telephone	(925) 500-6300
Fax	

Emergency telephone number

Emergency Phone No.	Chemical Emergency: 1-800-633-8253; Acct#11375
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SECTION 2: HAZARDS IDENTIFICATION**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)	Not classified as dangerous for supply/use.
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Label elements

Hazard Symbol(s)	None
Signal Word(s)	None
Hazard Statement(s)	None
Precautionary Statement(s)	Handle in accordance with good industrial hygiene and safety practice. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin after use. Do not breathe mist, vapor or spray.

Other hazards**Additional Information**

None
None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard classification
Proprietary Polymer	25 - 30	Trade Secret	Not classified as dangerous for supply/use.
Water, surfactants, and other ingredients either non-hazardous or present below reportable concentrations	70 - 75	7732-18-5 & Trade Secret	Not classified as dangerous for supply/use.

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**

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The exact composition is being withheld as Trade Secret in accordance with OSHA 29 CFR 1910.1200

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
Skin Contact	Wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Ingestion	Do not give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician. Treat symptomatically.

Most important symptoms and effects, both acute and delayed

None

Indication of any immediate medical attention and special treatment needed

If inhaled: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Non-combustible. As appropriate for surrounding fire.
None anticipated.

Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapours.

Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear protective gloves/eye protection/face protection. Do not breathe mist, vapor or / spray.

Environmental precautions

Do not allow to enter drains, sewers or waterways. Avoid release to the environment.

Methods and material for containment and cleaning up

Contain spillages with sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

Reference to other sections Additional Information

None
None



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Color.	White to Beige
Odor	Not available.
Odor Threshold (ppm)	Not available.
pH (Value)	3-5
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	~100 (~ 212 °F)
Flash Point (°C)	> 100 (> 200 °F)
Evaporation Rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not available.
Vapour pressure (Pascal)	Similar to Water
Vapour Density (Air=1)	Similar to Water
Density (g/ml)	1.05
Solubility (Water)	Dispersible
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Incompatible materials
Incompatible materials	Avoid contact with: Strong oxidising agents and strong reducing agents.
Hazardous decomposition product(s)	Decomposes in a fire or at high temperatures giving oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact,

Information on toxicological effects

Acute toxicity (By analogy with similar materials)	Oral: LD50 > 2000 mg/kg (rat) Dermal: LD50 > 2000 mg/kg (rat)
Irritation / Corrosivity	May cause eye irritation.
Sensitization	Not to be expected.
Repeated dose toxicity	Not to be expected.
Mutagenicity	Not to be expected.
Carcinogenicity	No data.

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Developmental Toxicity	Not to be expected.
Toxicity for reproduction	Not to be expected.



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Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

Substances in preparations / mixtures:

Aquatic toxicity

Acute toxicity (By analogy with similar materials) Not available

Long Term Toxicity Not available.

Persistence and degradability Not readily biodegradable.

Bioaccumulative potential Not available.

Mobility in soil Not available.

Results of PBT and vPvB assessment Not available.

Other adverse effects None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

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

Additional Information

None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name			
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable			

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: The non-polymer components are TSCA listed as Active or are exempt from TSCA inventory requirements.

The regulatory status of the proprietary polymer has not been determined. This product is for Research and Development only.

TSCA 12(B): Not required



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Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories: None

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 10.

Date of preparation: September 8, 2021

Training advice: None.

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