



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

Telephone

(925) 500-6300

Fax

Emergency telephone number

Emergency Phone No.

Chemical Emergency: 1-800-633-8253; Acct#11375

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Not classified as dangerous for supply/use.

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

None

Additional Information

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

Non-combustible. As appropriate for surrounding fire.

-Unsuitable Extinguishing Media

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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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Wear protective gloves/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

-Storage temperature

Store at ambient temperature. Store in a well-ventilated place. Keep container tightly closed.

-Incompatible materials

Avoid contact with: Strong oxidising agents and strong reducing agents.

Specific end use(s)

Research and Development Fabric Water Repellent

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

Exposure controls

Appropriate engineering controls

Not normally required.

Personal protection equipment

The following to be used as necessary:

Eye/face protection

Safety glasses with side-shields.



Skin protection (Hand protection/ Other)

Gloves (Butyl rubber, Neoprene, or Natural rubber). Check with protective equipment manufacturer's data.



Respiratory protection

Not normally required. In case of insufficient 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. Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Liquid Emulsion

SoftClad™ Extra-Strength Fabric Protector

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 INFORMATIONLand 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

Not classified as dangerous for transport.

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



SoftClad™ Extra-Strength Fabric Protector

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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