

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

SDS # ISSI-003-EU  
 Product Name UniFIB Pressure Sensitive Paint®

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Wind tunnel testing

### 1.3. Details of the Supplier of the Safety Data Sheet

#### Supplier

Innovative Scientific Solutions, Inc.  
 7610 McEwen Road  
 Dayton, OH 45459

#### For further information, please contact

Contact Point Innovative Scientific Solutions, Inc. Phone: (937) 630-3012  
 Fax: (937) 630-3015  
 Email Address [painting@innssi.com](mailto:painting@innssi.com)

### 1.4. Emergency telephone number

Emergency Telephone (24 hr) (937) 630-3012 x100

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

*Regulation (EC) No 1272/2008*

Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 2 - (H225)

### 2.2. Label Elements

Product Identifier



#### **Signal Word**

Danger

#### **Hazard statements**

H225 - Highly flammable liquid and vapour  
 H411 - Toxic to aquatic life with long lasting effects



## Section 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing Media

#### **Suitable Extinguishing Media**

Use CO<sub>2</sub>, dry chemical, or foam for extinction.

#### **Unsuitable Extinguishing Media**

Not determined.

### 5.2. Special Hazards Arising from the Substance or Mixture

Highly flammable liquid and vapour.

### 5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

#### **Personal Precautions**

Use personal protective equipment as required.

#### **For Emergency Responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental Precautions

See Section 12 for additional Ecological Information.

### 6.3. Methods and Material for Containment and Cleaning Up

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for Clean-Up**

Place in appropriate containers for disposal.

### 6.4. Reference to Other Sections

See Section 13: DISPOSAL CONSIDERATIONS.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

#### **Advice on Safe Handling**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Wear protective gloves/protective clothing and eye/face protection.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for Safe Storage, Including any Incompatibilities

#### **Storage Conditions**

Store in a well-ventilated place. Keep cool.

### 7.3. Specific End Use(s)

#### **Specific Use(s)**

Wind tunnel testing.

**Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control Parameters****Exposure Limits**

Chemical name	European Union	United Kingdom	France	Spain	Germany
$\alpha,\alpha,\alpha$ -Trifluorotoluene 98-08-8	-	-	-	-	TWA: 1 mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	-	STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 1.25 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
$\alpha,\alpha,\alpha$ -Trifluorotoluene 98-08-8	-	TWA: 2.5 mg/m <sup>3</sup>	-	-	TWA: 2.5 mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	-	TWA: 10 mg/m <sup>3</sup>	-	-	TWA: 6 mg/m <sup>3</sup>
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
$\alpha,\alpha,\alpha$ -Trifluorotoluene 98-08-8	-	-	TWA: 2 mg/m <sup>3</sup>	-	TWA: 2.5 mg/m <sup>3</sup> STEL: 7.5 mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	STEL 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	STEL: 30 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>

**8.2. Exposure Controls****Engineering Controls**

Apply technical measures to comply with the occupational exposure limits.

**Personal Protective Equipment****Eye/Face Protection**

Avoid contact with eyes.

**Hand Protection**

Gloves are not required for normal use.

**Skin and Body Protection**

Suitable protective clothing.

**Respiratory Protection**

Ensure adequate ventilation, especially in confined areas.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on Basic Physical and Chemical Properties**

<b>Physical state</b>	Liquid	<b>Odour</b>	Smells like TFT
<b>Appearance</b>	Clear liquid	<b>Odour Threshold</b>	Not determined
<b>Colour</b>	Colourless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not determined	
<b>Melting point / freezing point</b>	Not determined	
<b>Boiling point / boiling range</b>	Not determined	
<b>Flash point</b>	Not determined	
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	Liquid-Not applicable	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	Not determined	
<b>Lower flammability or explosive limits</b>	Not determined	
<b>Vapour Pressure</b>	Not determined	
<b>Vapour Density</b>	Not determined	
<b>Relative Density</b>	Not determined	

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Water Solubility	Not determined	
Solubility(ies)	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidising Properties	Not determined	

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not reactive under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of Hazardous Reactions

#### **Possibility of Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to Avoid

Keep out of reach of children.

### 10.5. Incompatible Materials

None known based on information supplied.

### 10.6. Hazardous Decomposition Products

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

#### **Acute toxicity**

#### **Product Information**

<b>Inhalation</b>	Do not inhale.
<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Ingestion</b>	Do not ingest.

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	15,983.00 mg/kg
<b>ATEmix (dermal)</b>	2,133.20 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	75.45 mg/L

#### **Unknown Acute Toxicity**

99.85 % of the mixture consists of ingredient(s) of unknown toxicity.

6 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

6 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

99.85 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

99.85 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).

6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
$\alpha,\alpha,\alpha$ -Trifluorotoluene	= 15 g/kg ( Rat )	> 2000 mg/kg ( Rat )	= 70810 mg/m <sup>3</sup> ( Rat ) 4 h
Titanium dioxide	> 10000 mg/kg ( Rat )		

**Skin corrosion/irritation** Not classified.

**Serious eye damage/eye irritation** Not classified.

**Sensitisation** Not classified.

**Germ cell mutagenicity** Not classified.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Titanium dioxide	Carc. 2

**Reproductive toxicity** Not classified.

**STOT - single exposure** Not classified.

**STOT - repeated exposure** Not classified.

**Aspiration hazard** Not classified.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
$\alpha,\alpha,\alpha$ -Trifluorotoluene		212: 96 h Brachydanio rerio mg/L LC50 static	

### 12.2. Persistence and Degradability

Not determined.

### 12.3. Bioaccumulative Potential

Chemical name	Partition coefficient
$\alpha,\alpha,\alpha$ -Trifluorotoluene	3.01

### 12.4. Mobility in Soil

#### **Mobility**

Not determined.

### 12.5. Results of PBT and vPvB Assessment

Not determined.

### 12.6. Other Adverse Effects

Not determined.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment Methods

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.

## Section 14: TRANSPORT INFORMATION

### IMDG

<b>14.1 UN number</b>	UN1263
<b>14.2 Proper Shipping Name</b>	Paint
<b>14.3 Transport hazard class(es)</b>	3
<b>14.4 Packing Group</b>	II
<b>14.5 Marine Pollutant</b>	This material may meet the definition of a marine pollutant

### RID

<b>14.1 UN/ID No</b>	UN1263
<b>14.2 Proper Shipping Name</b>	Paint
<b>14.3 Transport hazard class(es)</b>	3
<b>14.4 Packing Group</b>	II

### ADR

<b>14.1 UN number</b>	UN1263
<b>14.2 Proper Shipping Name</b>	Paint
<b>14.3 Transport hazard class(es)</b>	3
<b>14.4 Packing Group</b>	II

### IATA

<b>14.1 UN number</b>	UN1263
<b>14.2 Proper Shipping Name</b>	Paint
<b>14.3 Transport hazard class(es)</b>	3
<b>14.4 Packing Group</b>	II

## Section 15: REGULATORY INFORMATION

### 15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### Persistent Organic Pollutants

Not applicable

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

**International Inventories**

Chemical name	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
α,α,α-Trifluorotoluene 98-08-8 ( 90-95 )	X	X	X	X	X	X	-	-
Titanium dioxide 13463-67-7 ( 0.1-1 )	X	X	X	X	X	X	X	X

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances

**15.2. Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**Section 16: OTHER INFORMATION****Full text of H-Statements referred to under section 3**

H225 - Highly flammable liquid and vapour  
H351 - Suspected of causing cancer  
H411 - Toxic to aquatic life with long lasting effects

**Legend**

SVHC: Substances of Very High Concern for Authorisation:

**Legend**

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)  
Ceiling Maximum limit value \* Skin designation

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Classification Procedure**

Calculation method

**Issue Date:** 06-Jun-2022

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**Revision Note:** New format.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2015/830**

**Disclaimer**

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End of Safety Data Sheet