

# Safety Data Sheet (SDS)

## Section 1: Chemical Product and Company Identification

**Cat# :** 2101

**Part Name:** Heat Transfer Fluid 510

**Supplier: Decon Labs, Inc.**

460 Glennie Circle King of Prussia, Pa 19406  
SDS Telephone # (610) 755-0800

### Emergency Telephone Numbers

US Chemtrec: (800) 424-9300

Canada: (703) 527-3887

**Identified uses:** Laboratory use

## Section 2: Hazards Identification:

### Hazard Overview

H315	Skin Irrit. Cat. 2	
H319	Eye Irrit. Cat. 2A	

Specific target organ toxicity - single exposure (Category 3),  
Respiratory system, H335 For the full text of the H-Statements  
mentioned in this Section, see Section 16.

**Signal Word: WARNING**



### Hazard and Precautionary Statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

## Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

## NFPA Rating

Hazard Ratings:

These ratings are Decons, Inc. own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and list 49).

If no data is listed the information is not available

Health 0          Flammability 1          Reactivity 0

## Section 3: Composition/ Information on ingredients

Substances	CAS#	Percentage
Tris(trimethylsiloxy)phenylsilane	2116-84-9	100%

## Mixtures

Not Relevant

## Section 4: First Aid Measures

### 1. Description of first aid measures

<i>Skin Contact</i>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.
<i>Eye Contact</i>	If eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<i>Ingestion</i>	Wash out mouth with water.
<i>Inhalation</i>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

### 2. Most important symptoms and effects

No symptoms.

### 3. Indication of any immediate medical attention

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Call a POISON CENTER or doctor/physician if you feel unwell.  
No additional measures required

## Section 5: Fire-Fighting Measures

### 1. Extinguishing Media

*Suitable* Carbon dioxide.  
Dry chemical powder.  
Water.

*Unsuitable* Do not use water with a full water jet

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### 2. Special Hazards arising from the substance or mixture

In combustion toxic fumes may form.

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### 3. Advice for Fire Fighters

Wear protective clothing to prevent contact with skin and eyes.  
Wear self-contained breathing apparatus.

## Section 6: Accidental Release measures

### 1. Personal Precautions

Refer to section 8 of SDS for personal protection details.

### 2. Environmental Precautions

Do not discharge into drains or rivers

### 3. Methods & Materials

Mix with sand or vermiculite.  
Transfer to a suitable container.

## Section 7: Handling and Storage

### 1. Personal Precautions

#### *Safe Handling*

Handle in fume hood.  
Wash hands immediately after contamination.  
Wash hands toughly after handling

#### *Protection against explosions and fires*

Take off contaminated clothing and wash before reuse.  
normal measures for preventive fire protection

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## 2. Conditions for safe storage, including any incompatibilities

<i>Managing Storage Risks</i>	Keep container tightly closed. Store in cool, well ventilated area.
<i>Storage Controls</i>	No special requirements
<i>Maintaining Integrity</i>	Keep in tightly closed container in cool area away from direct sunlight or heat sources.
<i>Other advice</i>	Store in a well-ventilated place. Keep container tightly closed

## 3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only

## Section 8: Exposure Controls/ Personal Protection

### 1. Control Parameters

No Data Available

### 2. Exposure Controls

<i>General protective and hygiene measures</i>	Wear protective gloves/protective clothing/eye protection/face protection. . The standard precautionary measures should be adhered to when handling Wash hands during breaks and at the end of handling the material immediately remove any contaminated clothing
<i>Engineering measures</i>	Use only outdoors or in a well-ventilated area. Ensure there is sufficient ventilation of the area.
<i>Eye / Face Protection</i>	Safety Glasses.
<i>Hand protection</i>	Protective gloves.
<i>Respiratory protection</i>	Avoid breathing dust/fume/gas/mist/vapours/spray.. Respiratory protection not required.
<i>Skin protection</i>	Protective clothing.
<i>Other personal protection advice</i>	no data

## Section 9: Physical and Chemical Properties

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## 1. Physical and Chemical Properties

Appearance	Clear to straw liquid
Odor	Mild
Odor threshold	Not Applicable
PH	Not Applicable
Melting point / Freezing point	Not Applicable
Initial boiling point and boiling range	264-266°C
Flash point	127°C (261°F)- CC
Evaporation rate	Not Applicable
Flammability(solid,gas)	Not Applicable
Upper/lower flammability or explosive limits	Not Applicable
Vapor pressure	1mm @ 105°C
Vapor density	Not Applicable
Relative density	0.924
Solubility(ies):	Insoluble in water
Partition coefficient: n-octanol/water	Not Applicable
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Applicable
Viscosity	Not Applicable
Explosive properties	Not Applicable
Oxidizing properties	Not Applicable

## 2. Other Information

No additional information available

## Section 10: Stability and Reactivity:

### 1. Reactivity

no unusual reactivity

### 2. Stability

Stable under normal conditions.

### 3. Possibility of Hazardous Reactions

no hazardous reactions known

### 4. Conditions to Avoid

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no specific conditions to avoid

## 5. Incompatible Materials

Strong oxidizing agents.

## 6. Hazardous Decomposition Products

In combustion emits toxic fumes.

In combustion emits toxic fumes of organic acid vapours

## Section 11: Toxicological Information

### 1. Information

<i>Acute Toxicity</i>	no data
<i>Skin corrosion/irritation</i>	irritant for skin and mucous membranes
<i>Serious eye Damage/irritation</i>	irritant effect
<i>Respiratory or skin sensitisation</i>	No sensitizing effect known
<i>Germ Cell mutagenicity</i>	not known
<i>Carcinogenicity</i>	not known
<i>Reproductive toxicity</i>	not known
<i>Aspiration hazard</i>	not known

### 2. Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH

## Section 12: Ecological Information

No Data.

## Section 13: Disposal Considerations

Dispose in accordance with federal, state and local regulations.

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## Section 14: Transportation Information

### DOT

Not classified as hazardous for transport

### IMDG

Not classified as hazardous for transport

### IATA

Not classified as hazardous for transport

## Section 15: Regulatory Information

All components of this product are on the TSCA public inventory

### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act

### Pennsylvania Right To Know Components

Phenyl-tris(trimethylsiloxy)silane	CAS-No 2116-84-9
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### New Jersey Right To Know Components

Phenyl-tris(trimethylsiloxy)silane	CAS-No 2116-84-9
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### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

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This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and this MSDS (Material Safety Data Sheet) contains all the information required by the CPR.

<b>Section 16: Other Information</b>
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Date of Issue: 4/2/2003

Date of Revision: 12/31/2021

**Full text of H-Statements referred to under section 2**

Eye Irrit	Eye irritation
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
Skin Irrit	Skin irritation

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**End of Safety Data Sheet**