

# SAFETY DATA SHEET

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name T3 Half Spiral 120V 13W

### Other means of identification

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Lights

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name Safavieh Intl LLC

Supplier Address 40 Harbor Park Drive North  
Port Washington, NY 11050

Supplier Phone Number (516) 945-1900

Supplier Email

### Emergency telephone number

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). This product is an article which is a CFL bulb and as such does not require an MSDS per the OSHA hazard communication standard unless ruptured. The hazards indicated are for a ruptured CFL bulb.

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal word Danger

### Hazard Statements

Toxic if swallowed

Fatal in contact with skin

Harmful if inhaled

May damage fertility or the unborn child



This product is an article which contains a chemical substance. Safety information is given for exposure to the article as sold. Intended use of the product should not result in exposure to the chemical substance. This is a CFL bulb. In case of rupture: the above hazards exist.

**Appearance** Clear to semi-clear

**Physical state** Solid

**Odor** Odorless

#### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not get in eyes, on skin, or on clothing

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

#### **Skin**

IF ON SKIN: Wash with soap and water.

Immediately call a POISON CENTER or doctor/physician

Remove/Take off immediately all contaminated clothing

Wash contaminated clothing before reuse

#### **Inhalation**

IF INHALED: Remove victim to fresh air, give artificial respiration if necessary.

#### **Ingestion**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Rinse mouth

#### **Precautionary Statements - Storage**

Store locked up

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### **Hazards not otherwise classified (HNOC)**

Not applicable

### **Unknown Toxicity**

97% of the mixture consists of ingredient(s) of unknown toxicity

### **Other information**

No information available

### **Interactions with Other Chemicals**

No information available.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Lamp Assembly**—Glass and Metal--The Glass is made from soda lime similar to that used throughout the glass industry for other common consumer articles. The metals are generally made from various amounts of Aluminum, Tin, Lead, Copper, Zinc and Nickel..

**Mercury**—Small amounts of mercury is used in all fluorescent lamps, generally around 0.025% by weight. Safavieh continues to reduce the amounts of mercury used in florescent lamps.

**Phosphor**—Phosphate, mixed using manganese, rare earth elements such as lanthanum, and yttrium as either an oxide or as a phosphate, along with a barium/aluminum oxide all are tightly bound in the phosphor matrix. These phosphors produce better lamp efficiency and color rendition. The phosphor components may vary slightly depending on the color of the lamp. Some lamps may contain a thin coating of tin oxide inside the glass.

## **4. FIRST AID MEASURES**

### **First aid measures**

**General Advice** Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. First aid is upon rupture of sealed CFL bulb.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Seek immediate medical attention/advice.

**Skin contact** Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Inhalation** Remove to fresh air.

**Ingestion** Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison control center immediately.

### **Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** Coughing and/ or wheezing. Itching.

### **Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## **5. FIRE-FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### **Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

### **Specific hazards arising from the chemical**

No information available.

### **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation.  
Use personal protective equipment as required. Evacuate personnel to safe areas.  
Avoid generation of dust. Do not breathe dust.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

### **Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

### **Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

**Handling** In case of rupture. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Do not breathe dust. Avoid generation of dust.

### **Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Protect from moisture. Store away from other materials. Store locked up.

**Incompatible Products** None known based on information supplied.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Appropriate engineering controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### **Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. No information available. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not breathe dust.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Physical and Chemical Properties**

**Mercury**—The mercury concentration in the air as a result of breakage of one or a small number of fluorescent lamps should result in no significant to the individual. However, if breaking a large number of lamps for disposal, appropriate industrial hygiene monitoring and controls should be implemented to minimize airborne levels or surface contamination. We recommend a well-ventilated area, and local exhaust ventilation or personal protective equipment.

**Glass**—Glass dust is considered to be physiologically inert and as such has an OSHA exposure limits of 15-mg/cubic meter for total dust and 5-mg/cubic meter for respirable dust. Perform normal first aid procedures.

Seek medical attention as required.

**Phosphor** –There have been no significant adverse effects on humans by ingestion, inhalation, skin contact, or eye contact. Antimony, manganese, yttrium and tin compounds are characterized by OSHA as hazardous chemicals; however, due to their insolubility, relatively low toxicity and small amount present in the phosphor and lamp, these materials do not present a significant hazard in the event of breakage of the lamp.

**Yttrium** –Contact, ingestion or inhalation may cause one or more of the following symptoms: eye irritation, pulmonary irritation, and possible liver damage.

**Aluminum Oxide (Alumina)** – Alumina is a non-toxic material which is very low in free silica content. Sharp-edged particles can irritate the eyes, perhaps the skin, and definitely the mucous membranes of the respiratory tract.

**Krypton-85 Contained in Glow Switch** – The radiation emitted by Kr-85 is 99.6% beta which is completely absorbed by the glass envelope of the glow switch and 0.4% gamma which is not. This radiation is, however, 100 to 200 times less than that allowable for clocks and watches. In the unlikely event of the glow switch breaking, the traces of krypton-85 gas immediately disperses in the air. Krypton gas and its radioactive isotope are inert (they do not react chemically with other substances) and are not absorbed by the body.

## **10. STABILITY AND REACTIVITY**

### **Reactivity**

No data available.

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of Hazardous Reactions**

None under normal processing.

### **Conditions to avoid**

Excessive heat.

### **Incompatible materials**

None known based on information supplied.

### **Hazardous Decomposition Products**

None known based on information supplied.

## **11. TOXICOLOGICAL INFORMATION**

### **Information on likely routes of exposure**

**Product Information**            Product does not present an acute toxicity hazard based on known or supplied information. In case of rupture:.

**Inhalation**                      Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available. Fatal in contact with skin. (based on components).

**Ingestion** Specific test data for the substance or mixture is not available. Toxic if swallowed. (based on components).

**Component Information**

**Information on toxicological effects**

**Symptoms** Coughing and/ or wheezing.  
**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Mutagenic Effects** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name        | ACGIH | IARC    | NTP | OSHA |
|----------------------|-------|---------|-----|------|
| Mercury<br>7439-97-6 |       | Group 3 |     |      |

IARC (International Agency for Research on Cancer)  
*Group 3 - Not Classifiable as to Carcinogenicity in Humans*

**Reproductive toxicity** Contains a known or suspected reproductive toxin.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** Contains a known or suspected reproductive toxin. Possible risk of irreversible effects. Carcinogenic potential is unknown.

**Target Organ Effects** Eyes. Respiratory system. Skin. Reproductive System. Lungs.

**Aspiration Hazard** No information available.

**12. ECOLOGICAL INFORMATION**

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available

**Other adverse effects** No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number** D009

**California Hazardous Waste Codes** M003

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name        | California Hazardous Waste |
|----------------------|----------------------------|
| Mercury<br>7439-97-6 | Toxic                      |

### 14. TRANSPORT INFORMATION

**DOT** NOT REGULATED  
**Proper Shipping Name** NON REGULATED  
**Hazard Class** N/A

**TDG** Not regulated  
**MEX** Not regulated  
**ICAO** Not regulated  
**IATA** NOT REGULATED  
**Proper Shipping Name** NON REGULATED  
**Hazard Class** N/A

**IMDG/IMO** NOT REGULATED  
**Hazard Class** N/A

**RID** Not regulated  
**ADR** Not regulated  
**ADN** Not regulated

### 15. REGULATORY INFORMATION

Our products meet UL report and ROHS test report.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

#### US Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product

contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name        | CAS No    | Weight-% | SARA 313 - Threshold Values % |
|----------------------|-----------|----------|-------------------------------|
| Aluminum - 7429-90-5 | 7429-90-5 | 1 - 5    | 1.0                           |
| Mercury - 7439-97-6  | 7439-97-6 | 0.1 - 1  | 10                            |

**SARA 311/312 Hazard Categories**

|                                   |    |
|-----------------------------------|----|
| Acute Health Hazard               | No |
| Chronic Health Hazard             | No |
| Fire Hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name        | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Mercury<br>7439-97-6 |                             | X                      | X                         |                            |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name        | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ                                       |
|----------------------|--------------------------|------------------------------------|--|
| Mercury<br>7439-97-6 | 1 lb                     |                                    | RQ 1 lb final RQ<br>RQ 0.454 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Chemical Name       | California Proposition 65 |
|---------------------|---------------------------|
| Mercury - 7439-97-6 | Developmental             |

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Chemical Name       | California Proposition 65 |
|---------------------|---------------------------|
| Mercury - 7439-97-6 | Developmental             |

**U.S. State Right-to-Know Regulations**

| Chemical Name         | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|-----------------------|------------|---------------|--------------|--------------|----------|
| Aluminum<br>7429-90-5 | X          | X             | X            | X            |          |
| Mercury<br>7439-97-6  | X          | X             | X            | X            | X        |

**International Regulations**

**Mexico**

**National occupational exposure limits**

| Component                       | Carcinogen Status | Exposure Limits                   |
|---------------------------------|-------------------|-----------------------------------|
| Aluminum<br>7429-90-5 ( 1 - 5 ) |                   | Mexico: TWA= 10 mg/m <sup>3</sup> |

|                                  |  |                                    |
|----------------------------------|--|------------------------------------|
| Mercury<br>7439-97-6 ( 0.1 - 1 ) |  | Mexico: TWA 0.05 mg/m <sup>3</sup> |
|----------------------------------|--|------------------------------------|

**Canada**

**WHMIS Hazard Class**

Not determined

## **16. OTHER INFORMATION**

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**