



## Material Safety Data Sheet

Date of Preparation: April 18, 2012

### Section 1 – Chemical Product and Company Identification

**Product Name:** Universal Fluorescent A/C Additive

**Part Numbers:** 94, 95, 98, & 99 series of injectors and kits

**Product Use:** Leak detection for air conditioner and refrigeration systems using R12, R22, and R134A refrigerants.

**Manufacturer:** Cliplight Manufacturing

961 Alness Street

Toronto, ON M3J 2J1, Canada

**Telephone:** +1 416 736 9036 or 1- 800-526-7096      **Emergency Telephone:** +1 416 736 9036 or 1- 800-526-7096

### Section 2 – Hazards Identification

#### Potential Health Effects:

**Inhalation:** Can cause irritation to eyes, nose, and respiratory tract following prolonged exposure.

**Eye Contact:** Can cause slight to mild irritation.

**Skin Contact:** Irritation can occur following prolonged or repeated contact.

**Ingestion:** Extremely unlikely to occur in use. Irritating to the mouth, throat, and stomach. Can cause digestive tract irritation, nausea, vomiting, diarrhea.

#### HMIS CLASSIFICATION

**Health Hazard:** 1

**Flammability:** 1

**Physical Hazards:** 0

#### WHMIS Classification

Not controlled

#### GHS Classification:

Nonhazardous

#### **Precautionary statements:**

P280 Wear protective gloves and eye protection

### Section 3 – Composition/ Information on Ingredients

The product contains no hazardous ingredients.

Lubricant oil: 60 – 80 wt%

Fluorescent dye: 20 – 40 wt%

### Section 4 – Emergency and First Aid Procedures

**Skin contact:** Wash affected area with soap and water. If irritation develops, consult a physician.

**Eye contact:** Flush eyes with water for 15 minutes. If irritation develops, consult a physician.

**Ingestion:** Call a physician immediately. Induce vomiting only as directed by medical personnel.

**Inhalation:** Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

## Section 5 – Fire Fighting Measures

**Flash point:** > 95°C (>203°F)

**Extinguishing media:** Use dry chemical, carbon dioxide, Halon, water, spray, or foam.

**Fire and Explosion Hazards:** Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, oxides of nitrogen).

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6 – Spill, Leak, and Disposal Procedures

**Personal precautions:** Refer to section 8 for personal protection details. Mark out the contaminated area with signs and prevent access of unauthorized personnel.

**Environmental precautions:** Stop material from contaminating soil or from entering sewers or bodies of water.

**Clean-up procedures:** Contain with absorbent material such as clay, soil or any commercially available absorbent. Shovel reclaimed dye and absorbent into recovery or salvage drums for disposal. Dispose of according to applicable local, state and federal regulations.

## Section 7 – Handling and Storage

**Handling requirements:** Avoid the formation or spread of mists in the air. Avoid direct contact with the product. Wash thoroughly after handling.

**Storage conditions:** Store in a cool, dry, well-ventilated area away from heat, ignition sources, and direct sunlight. Always keep containers tightly closed.

## Section 8 – Exposure Controls / Personal Protection

**Engineering measures:** Provide adequate ventilation.

**Respiratory protection:** Avoid breathing vapor and/or mist.

**Eye protection:** Wear safety goggles. An eye wash facility should be readily available.

**Skin protection:** Wear protective clothing and gloves.

## Section 9 – Physical and Chemical Properties

Appearance	amber liquid
Odour	mineral oil/solvent
Odour threshold	No data available
pH	Not applicable
Melting point/freezing point	Not applicable
Boiling range	217 – 293°C (423 - 559°F)
Flash point	>95°C (>203°F)
Evaporation rate	No data available
Flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	Lighter than water
Solubility	Insoluble in water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

## Section 10 – Stability and Reactivity

**Stability:** Stable under normal conditions of storage and use

**Conditions to avoid:** High temperatures, sources of ignition.

**Materials to avoid:** Oxidizers and reducers

**Hazardous Polymerization:** Will not occur.

**Hazardous decomposition products:** Combustion may produce carbon monoxide and other asphyxiants.

## Section 11– Toxicological Information

		<u>Fluorescent Dye</u>	<u>Lubricant Oil</u>
Inhalation LC <sub>50</sub>	Rat	Slight to mild irritation	Slight irritation
Eye Irritation	Rabbit	Irritation	Slight irritation
Skin Irritation	Rabbit	Irritation	Slight irritation

**Fluorescent Dye:** Negative results were obtained in the Ames test. Negative results were obtained in the micronucleus assay.

## Section 12– Ecological Information

No data available.

## Section 13– Product Disposal

**Disposal:** Dispose of in accordance with all local, state, and federal regulations

## Section 14 –Transport Information

This product is not classified under dangerous goods regulations.

## Section 15 –Regulatory Information

All components of this product are listed in the U.S. Toxic Substances Control Act (TSCA) Inventory

All components of this product are on the Canadian Domestic Substances List (DSL).

## Section 16 –Other Information

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.