

SAFETY DATA SHEET

94, 95, 98, & 99 LEAK DETECTOR KITS

Revision Date: May 27, 2015

Version: 2.1

Supersedes: April 18, 2012

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

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

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Section 2 – Hazards Identification

GHS Classification

This product is not classified as hazardous under the GHS, 29 CFR 1910.1200, WHMIS 2015 or (EC) No 1272/2008.

Precautionary statements:

P280 Wear protective gloves and eye protection.

Section 3 – Composition/Information on Ingredients

This product contains compressor lubricant oil and a fluorescent dye. No component of the product is classified as hazardous under the GHS, 29 CFR 1910.1200, WHMIS 2015 or (EC) No 1272/2008.

Section 4 – First-Aid Measures

Inhalation

Supply fresh air; consult a doctor in case of complaints.

Skin contact

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

Eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion

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

Other symptoms

Staining and irritation at points of contact of skin or eyes or upon ingestion.

Special treatment needed

None known

Section 5 – Fire-Fighting Measures

Extinguishing media

Use foam, carbon dioxide, dry chemical, or water spray.

Special hazards arising from the substance or mixture

In a fire, smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, oxides of nitrogen) will be produced. Avoid runoff to sewers and waterways.

Advice for firefighters

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

Section 6 – Accidental Release Measures

Personal precautions

Avoid inhalation of vapour. Wear chemical-resistant gloves and chemical safety goggles or safety glasses with side shields. Since the product contains a colourant, it is advisable to take extra care to avoid contact with the product.

Environmental precautions

Ensure adequate ventilation. Stop material from contaminating soil or from entering sewers or bodies of water.

Methods and materials for containment and cleaning up

Ventilate the spill area. Absorb spill with inert material (e.g. dry sand, diatomite, sawdust) then place in a chemical waste container. Treat or dispose of waste material in accordance with all local, state, provincial, and national requirements.

Section 7 – Handling and Storage

Precautions for safe handling

Use with adequate ventilation. Since the product contains a colourant, it is advisable to take extra care to avoid contact with the product. Wear chemical-resistant gloves and chemical safety goggles or safety glasses with side shields. Keep away from sources of ignition. Wash thoroughly after handling.

Conditions for safe storage

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

Control Parameters

None of the components of this product have occupational exposure limit values.

Engineering Controls

Provide adequate ventilation. Avoid breathing vapour and/or mist.

Protective Equipment

Use protective gloves and suitable protective clothing. Wear safety glasses with side shields or goggles. The product contains a colourant and may stain skin and other articles.

Hygiene

Handle with care to avoid exposure. Wash thoroughly after handling.

Section 9 – Physical and Chemical Properties

Appearance	Amber liquid
Odour	Mineral oil/solvent
Odour threshold	No data available
pH	No data available
Melting point/freezing point	No data available
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

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Unlikely

Conditions to avoid

High temperatures, sources of ignition

Incompatible materials

Oxidizers and reducers

Hazardous decomposition products

In a fire, carbon monoxide, carbon dioxide, smoke and fumes are formed.

Section 11 – Toxicological Information

The toxicological properties of this product have not been investigated. Some information for components is provided below.

Acute toxicity

Inhalation LC50 rat: Fluorescent Dye – Slight to mild irritation
 Lubricant Oil – Slight irritation

Skin corrosion/irritation

Rabbit: Fluorescent Dye – Irritation
 Lubricant Oil – Slight irritation

Serious eye damage/irritation

Rabbit: Fluorescent Dye – Irritation
 Lubricant Oil – Slight irritation

Respiratory or skin sensitization

No data available

Repeated dose toxicity

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

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

Reproductive toxicity

No data available

Specific target organ toxicity

No data available

Aspiration hazard

No data available

Potential Health Effects:

Inhalation: Can cause irritation to 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.

Section 12 – Ecological Information

Ecotoxicity

No data available

Persistence and degradability

Insoluble in water

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Section 13 – Product Disposal

Product

Treat or dispose of waste material in accordance with all local, state, provincial, and national requirements.

Contaminated packaging

Dispose of as product.

Section 14 – Transport Information

Not classified as dangerous for transport under **DOT, IMDG, IATA, TDG, ADR, ADN.**

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).

A chemical safety assessment has not been carried out for this product.

Section 16 – Other Information

HMIS CLASSIFICATION

Health Hazard:	1
Flammability:	1
Physical Hazards:	0

Notes to this Revision

This version 2.1 (May 27, 2015) has been updated from the previous version of April 18, 2012 to conform to the requirements of the GHS, OSHA Hazard Communications Standard 2012, WHMIS 2015 and (EU) No 453/2010.

No changes have been made to the classification of the product and no substantive changes have been made to the description of the product or to instructions for its safe use, transportation, handling and storage.

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.