



Material Safety Data Sheet

Date of Preparation: April 23, 2009

Section 1 – Chemical Product and Company Identification

Product Name: CLIPLIGHT 1,2,3 30 SHOT UV DYE™

Part Number(s): 930KIT

Product Use: A/C leak detection

Manufacturer: Ciplight 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 – Composition/ Information on Ingredients

Ingredient Name	CAS No.	EC No.	Composition, wt%
1,1,1,2-Tetrafluoroethane	811-97-2	212-377-0	55-65

Section 3 – Hazards Identification

Primary Entry Routes: Eyes, dermal, inhalation and ingestion

Target Organs: Eyes, skin, respiratory system

Inhalation: Exposure to very high concentration can induce anesthetic effect. Can act as an asphyxiant by limiting oxygen. Cardiac sensitization to circulating epinephrine-like compounds can result in fatal cardiac arrhythmias

Eye Contact: Liquid splashes or vapor spray may cause freeze burns.

Skin Contact: Liquid form of this material may cause freeze burns (frostbite-like lesions).

Effects of Overexposure: Not likely if handled in accord with good industrial hygiene practice.

Ingestion: Extremely unlikely to occur in use. May cause slight irritation if ingested but not toxic.

Section 4 – Emergency and First Aid Procedures

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Give oxygen if breathing labored. If cardiac arrest, apply external cardiac massage. Do not administer adrenaline or similar drugs as cardiac arrhythmias may result. Call physician immediately.

Eye Contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for 15 minutes. Have eyes examined and treated by medical personnel.

Skin Contact: Thaw affected areas with water, remove contaminated clothing carefully. Wash affected areas of skin thoroughly with plenty of warm water. Obtain medical attention. Prolonged contact with skin may cause red skin irritation or dermatitis.

Remove oil from skin by washing well with soap and water. Launder clothing before reuse.

Ingestion: Induce vomiting, seek medical attention.

Section 5 – Fire Fighting Measures

Flash Point: N/A

Extinguishing Media: Water spray, dry chemical, alcohol foamer, CO₂.

Unusual Fire or Explosion Hazards: Heavy vapors can suffocate. Highly toxic decomposition products.

Special Fire-Fighting Procedures: Self-contained breathing apparatus with full facepiece and protective clothing if involved in a fire of other materials.

Section 6 – Spill, Leak, and Disposal Procedures

Clean up any oil spill. Prevent entry into sewers and waterways. Absorb with inert absorbent. Place used rags and absorbent in closed metal containers.

Section 7 – Handling and Storage

Keep at temperature not exceeding 45°C. Keep containers dry. Keep away from direct sunlight, heat.

Section 8 – Exposure Controls / Personal Protection

Ventilation: General mechanical ventilation. Oil mist inhalation should be avoided.

Protective Clothing/Equipment: Chemical goggles. Nitrile gloves with cotton knit liner. Protective clothing.

Ventilation: Use local exhaust to control exposure.

Section 9 – Physical and Chemical Properties

Physical State: Liquid
Appearance/Odor: Yellow/Bland Odor
% Volatile: N/A
Evaporation Rate: N/A

Boiling Range: -40°C
Vapor Density (Air=1): Less than 5.0
Specific Gravity (@20°C): 1.0
Vapor Pressure: Negligible @ 20°C

Section 10 – Stability and Reactivity

Stability: Stable
Polymerization: Will not occur
Incompatibilities and Conditions to Avoid: Strong oxidizers.
Hazardous Decomposition Products: None

Section 11– Toxicological Information

See section 3 for routes of exposure and corresponding symptoms.

1,1,1,2-tetrafluoroethane: Inhalation (Rat) 1,500,000 mg/m³ LC50

Section 12– Ecological Information

None available

Section 13– Product Disposal

See section 6.
Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state or provincial and local regulations.

Section 14 –Transport Information

Non-hazardous product

<u>PART NUMBER</u>	<u>SHIPPING NAME</u>	<u>HAZARD CLASS</u>	<u>ID NO.</u>	<u>PACKING GROUP</u>
930KIT	Consumer Commodity	ORM-D N/A	N/A	N/A

Section 15 –Regulatory Information

Risk Phrases: None. Non-hazardous product.
Safety Phrases: S36/37/39 – Wear suitable protective clothing, gloves and eye protection.

Section 16 –Other Information

Risk Phrases: None

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 publications of 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.