



# Safety Data Sheet

## R-134a 5-Shot UV Dye

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product Identifier

<b>Trade Name:</b>	R-134a 5-Shot UV Dye	<b>Revision Date:</b>	4/21/23
<b>Product Code:</b>	BLA153	<b>Created Date:</b>	4/21/23

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

None known.

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

**B'laster LLC**  
8500 Sweet Valley Drive  
Valley View, OH 44125

**phone:** 817-719-3037 x1002 Ginger Stewart

#### 1.4 Emergency telephone number

**CHEMTREC:** (800) 424-9300 (USA)  
+1-703-741-5970 (International)  
**Poison Control:** (800) 222-1222 (USA)

### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance or mixture

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200).  
Gases Under Pressure, Liquefied Gases  
Eye Irritation, Category 2A  
Acute Aquatic Hazard, Category 1  
Chronic Aquatic Hazard, Category 1

#### 2.2 Label elements



**Signal Word** Warning

#### Hazard Statements

H280-Contains gas under pressure; may explode if heated.  
H319-Causes serious eye irritation.  
H410-Very toxic to aquatic life with long lasting effects.

#### Precautionary Statements

##### Prevention

P264-Wash skin thoroughly after handling.  
P273-Avoid release to the environment.  
P280-Wear protective gloves/protective clothing/eye protection/face protection.

##### Response

P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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P337+P313-IF eye irritation persists: Get medical attention.

P391-Collect spillage. Hazardous to the aquatic environment.

#### Storage

P410+P403-Protect from sunlight. Store in a well-ventilated place.

#### Disposal

P501-Dispose of contents/container to a licensed contractor in accordance with local, state and federal regulations.

#### 2.3 Other hazards

Liquid can cause burns similar to frostbite.

May displace oxygen and cause rapid suffocation.

#### 2.4 Unknown Acute Toxicity (US)

None known.

### SECTION 3: Composition / information on ingredient(s)

Chemical Name	CAS Number	EC #	Concentration % by Weight
R134a UV Dye	-		-
1,1,1,2-tetrafluoroethane	811-97-2		50

#### Additional Information

Ingredients and composition are withheld as trade secret in accordance with 29CFR1910.1200(i).

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General notes

None known.

##### After inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get immediate medical attention if symptoms persist.

##### After skin contact

Immediately wash with water and soap and rinse thoroughly.

##### After eye contact

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

##### After ingestion

If symptoms persist consult doctor.

##### Self-protection of the first aider

None known.

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

Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite.

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

None known.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Dry Chemical, CO<sub>2</sub>, Foam, Fog or Water Spray.

##### Unsuitable extinguishing media

None known.

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products include oxides of carbon, hydrogen fluoride, carbonyl fluoride.



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#### 5.3 Advice for firefighters

Standard procedure for chemical fires. Clear fire area of all non-emergency personnel. Keep adjacent containers cool by spraying with water. Will float and can be reignited on surface water. The vapor is heavier than air, spreads along the ground and distant ignition is possible.

Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant Standards (e.g. NFPA 1851; ISO 11999; EN469).

### SECTION 6: Accidental release measures

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

Do not touch or walk through spilled material. Remove all possible sources of ignition. Ensure adequate ventilation. Use appropriate personal protective equipment.

#### 6.2 Environmental precautions

Prevent contamination of water. Prevent material from entering drains or watercourses using sand, earth or other appropriate barriers. Do not flush into surface water or sanitary sewer system.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

#### 6.4 Reference to other sections

None known.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Avoid breathing of or direct contact with material. Only use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin, eyes and clothing. Do not empty into drains.

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

Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Keep container tightly closed in a dry and well-ventilated place. Keep away from incompatible materials. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight.

#### 7.3 Incompatibilities/Specific end uses(s)

<b>Incompatibilities</b>	None known.
<b>Specific end use(s)</b>	None known.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### 1,1,1,2-tetrafluoroethane (811-97-2)

Supplier OEL	1000 ppm	TWA.
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#### 8.2 Engineering Controls/Exposure Controls

<b>Engineering controls</b>	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Environmental exposure controls</b>	None known.

#### 8.3 Protective Measures

<b>Eye/face protection</b>	Wear chemical splash goggles. Wear a full face shield where splashing is likely.
<b>Hand protection</b>	Handle with chemical resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws



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**Other Skin protection**

and good laboratory practices. Wash and dry hands.

**Other protection**

The types of clothing to be considered for this material include: Chemical/oil resistant clothing is recommended.

**Respiratory protection**

None known.

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator.

**General hygiene consideration**

Wash hands, forearms and face before eating, drinking, smoking and using the restroom. Launder contaminated clothing before re-use.

**Thermal hazards**

None known.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Property	Value
Autoignition Temperature	Product is not selfigniting.
Boiling Point	None known.
Colors	Dark yellow liquid.
Decomposition Temperature	None known.
Density	None known.
Flash Point	>212°F (100°C).
Melting/Freezing Point	None known.
Odor	Characteristic.
Odor Threshold (Detection)	None known.
Solubility	None known.
State of Matter	Compressed liquified gas.
Vapor Pressure	None known.
Viscosity	None known.
pH Value	None known.

### 9.2 Other information

None known.

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Stable under normal conditions of use.

### 10.2 Chemical stability

Stable under normal handling and storage conditions.

### 10.3 Possibility of hazardous reactions

None known.

### 10.4 Conditions to avoid

Extreme temperatures and direct sunlight.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

Carbon oxides. Hydrogen fluoride and carbonyl fluoride if decomposition occurs at temperatures >250°C.

## SECTION 11: Toxicological information

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#### 11.1 Information on toxicological effects

##### Source

<b>Skin contact</b>	None known.
<b>Eye contact</b>	None known.
<b>Inhalation</b>	None known.
<b>Ingestion</b>	None known.
<b>Symptoms related to characteristics</b>	None known.
<b>Acute effects</b>	None known.
<b>Chronic effects</b>	None known.

#### Numerical measures of Toxicity

None known.	
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<b>Skin corrosion/irritation</b>	None known.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes.
<b>Respiratory sensitization</b>	None known.
<b>Skin sensitization</b>	None known.
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA, NTP, or IARC.
<b>Germ cell mutagenicity</b>	None known.
<b>Reproductive toxicity</b>	None known.
<b>Specific target organ toxicity - single exposure</b>	None known.
<b>Specific target organ toxicity - repeated exposure</b>	None known.
<b>Aspiration hazard</b>	None known.

## SECTION 12: Ecological information

#### 12.1 Toxicity

Very toxic to fish. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

None known.	
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#### 12.2 Persistence and degradability

None known.

#### 12.3 Bioaccumulative potential

None known.

#### 12.4 Mobility in soil

None known.

#### 12.5 Results of PBT and vPvB assessment



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None known.

#### 12.6 Other adverse effects

None known.

#### 12.7 Additional Information

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Handling for disposal

None known.

##### Methods of disposal

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

##### Contaminated packaging

Dispose of contents/container to a licensed contractor or facility in accordance with local, state and federal regulations.

### SECTION 14: Transport Information

#### D.O.T/ADR/RID - Ground transportation

##### 14.1 UN number

UN3159

##### 14.2 UN proper shipping name

UN3159, 1,1,1,2-Tetrafluoroethane, 2.2

##### 14.3 Transport hazard class(es)

2.2

##### 14.4 Packing group

None known.

#### Air transport (ICAO/IATA)

##### 14.1 UN number

UN3159

##### 14.2 UN proper shipping name

UN3159, 1,1,1,2-Tetrafluoroethane, 2.2

##### 14.3 Transport hazard class(es)

2.2

##### 14.4 Packing group

None known.

#### Sea transport (IMDG)

##### 14.1 UN number

UN3159

##### 14.2 UN proper shipping name

UN3159, 1,1,1,2-Tetrafluoroethane, 2.2

##### 14.3 Transport hazard class(es)

2.2

##### 14.4 Packing group

None known.

#### 14.5 Environmental hazards

None known.

#### 14.6. Special precautions for user

None known.

#### 14.7. Transport in bulk according to Annex II of Marpol112 and the IBC Code

None known.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture



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## R-134a 5-Shot UV Dye

**Country or region**

United States of America

**Inventory List**

Toxic Substance Control Act (TSCA)

**Listed or Exempt (yes/no)**

Yes

**15.2 Chemical Safety Assessment**

None known.

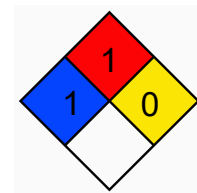
**SECTION 16: Other Information****Specific Hazard** N/A.**HMIS Ratings**

<b>HEALTH</b>	1
<b>FLAMMABILITY</b>	1
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	

1 - Slightly hazardous.

1 - Above 200°F.

0 - Stable, even under fire conditions and will not react with water, etc.

**NFPA**

Revision Date: 4/21/23

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