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**SECTION 1 : COMPANY AND PRODUCT IDENTIFICATION**

**Company:** Choice Brands Adhesives  
666 Redna Terrace  
Cincinnati, OH 45215

**Emergency Contact Number: 800-424-9300 (CHEMTREC)**

**Information Telephone Number: 513-772-1234**



**Product Name** F-155R, F-156

**Recommended Use:** Adhesive

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**SECTION 2 : HAZARDS IDENTIFICATION**

**Hazard Classifications:** Acute Toxicity - Inhalation: Category 5  
Skin Irritation: Category 2  
Eye Damage: Category 2A  
Reproductive Toxicity: Category 2  
STOT Repeated Exposure: Category 2  
Aspiration: Category 1  
Flammable Liquid: Category 2

**GHS Signal Word:** DANGER!

**Pictograms:**



**Hazard Statements:**

May cause respiratory irritation.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of damaging fertility or the unborn child.  
May cause damage to organs through prolonged or repeated exposure.  
May be fatal if swallowed and enters airways.  
Highly flammable liquid and vapor.

**Precautionary Statements:**

Keep away from heat/sparks/open flames/hot surfaces – no smoking.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Avoid release to the environment.  
Use personal protective equipment as required.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.

**Potential Health Effects**

Principal Routes of Exposure      Inhalation, skin absorption, eye contact

Acute Effects

|                               |                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eyes:                         | Contact with eyes may cause irritation. Direct contact with liquid or vapors may cause stinging, tearing, redness, swelling, and eye damage.                                                                            |
| Skin:                         | May cause skin irritation and/or dermatitis. Prolonged or repeated contact or exposure to vapors may cause redness, burning, and drying and cracking of the skin.                                                       |
| Inhalation:                   | Breathing high concentrations of vapors may cause irritation of the nose and throat or signs of nervous system depression (i.e. – headache, nausea, drowsiness, dizziness, vomiting, loss of coordination and fatigue). |
| Ingestion:                    | Ingestion may cause irritation of the digestive tract, nausea, vomiting, and signs of nervous system depression.                                                                                                        |
| Chronic Effects               | Avoid repeated exposure. May cause blood damage. Repeated contact may cause allergic reactions in very susceptible persons.                                                                                             |
| Aggravated Medical Conditions | Pre-existing eye, skin, or respiratory disorders may be aggravated by exposure to this product.                                                                                                                         |

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### **SECTION 3 : COMPOSITION INFORMATION**

| <b>Chemical Designation</b> | <b>CAS No.</b> | <b>% by Weight</b> |
|-----------------------------|----------------|--------------------|
| Hexane                      | 110-54-3       | 35 - 60%           |
| Acetone                     | 67-64-1        | 22 - 40%           |
| Toluene                     | 108-88-3       | 12 - 25%           |

Any remaining ingredients should be considered a proprietary blend of non-hazardous substances, or materials below threshold reporting limits.

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### **SECTION 4 : FIRST AID MEASURES**

|                    |                                                                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Advice     | Show this safety data sheet to the doctor in attendance                                                                                                                                          |
| Eyes:              | Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate medical attention.                                 |
| Skin:              | Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash affected areas thoroughly with mild soap. If skin irritation persists, get immediate medical attention. |
| Inhalation:        | Move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen and get immediate medical attention.                         |
| Ingestion:         | Do not induce vomiting – seek immediate medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.                                                                  |
| Notes to Physician | Treat symptomatically                                                                                                                                                                            |

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### **SECTION 5 : FIRE FIGHTING MEASURES**

|                                            |                                                                                                                                                                                                                     |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extinguishing Media:                       | Carbon dioxide, dry chemicals, foam. Water may be helpful in keeping adjacent containers cool; avoid spreading the liquid with water used for cooling. Water-based sprinkler systems may help contain larger fires. |
| Specific Hazards arising from the Chemical | Closed containers may rupture if exposed to fire or extreme heat. May produce toxic fumes if burning.                                                                                                               |
| Special protective Equipment:              | Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.                                                                                              |

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### **SECTION 6 : ACCIDENTAL RELEASE MEASURES**

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Personal Precautions: | Use personal protective equipment. Remove all sources of ignition. |
|-----------------------|--------------------------------------------------------------------|

|                           |                                                                                                                                                                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental Precautions | Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. |
| Methods for Clean-up      | Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.                                                                                                                                                        |
| Other Information         | None known                                                                                                                                                                                                                                                                                        |

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## **SECTION 7 : HANDLING & STORAGE**

|           |                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling: | Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear appropriate personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition. |
| Storage:  | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from extremes of heat or cold. Keep in properly labeled containers.                                                                                                                                                                                                                                        |

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## **SECTION 8 :EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Exposure Limits**

| <b>Hazardous Components</b> | <b>OSHA PEL</b> | <b>ACGIH TLV</b> |
|-----------------------------|-----------------|------------------|
| Hexane                      | 500             | 50               |
| Acetone                     | 1000            | 250              |
| Toluene                     | 200             | 20               |

|                             |                                                            |
|-----------------------------|------------------------------------------------------------|
| <b>Engineering Measures</b> | Ensure adequate ventilation, especially in confined areas. |
|-----------------------------|------------------------------------------------------------|

### **Personal Protective Equipment**

|                                |                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eyes/Face:</b>              | Safety goggles or glasses, or full face shield.                                                                                                                              |
| <b>Skin:</b>                   | Protective gloves and impervious clothing.                                                                                                                                   |
| <b>Respiratory Protection:</b> | In operations where exposure limits are exceeded, use a NIOSH-approved respirator that has been selected by a technically qualified person for the specific work conditions. |
| <b>Hygiene Practices:</b>      | Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using, do not eat, drink or smoke.     |

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## **SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

|                               |                            |
|-------------------------------|----------------------------|
| Appearance:                   | Red liquid, Yellow liquid. |
| Odor:                         | Solvent odor.              |
| Odor Threshold                | No data                    |
| VOC (g/L)                     | 421                        |
| VOC (g/L) less exempt & water | 593                        |
| Non-volatile (wt%)            | 18.33                      |
| Specific Gravity (g/l)        | 0.796                      |

|                                         |                          |
|-----------------------------------------|--------------------------|
| Bulk Density (lb/gal):                  | 6.63                     |
| Solubility in Water                     | Insoluble                |
| pH                                      | Not available            |
| Viscosity                               | Not available            |
| Evaporation rate :                      | Faster than nBuAc        |
| Vapor Pressure (mmHg):                  | Not available            |
| Vapor Density :                         | Heavier than air         |
| Boiling Point:                          | 133.0°F [56.1 °C]        |
| Freezing/Melting Point:                 | Not Determined           |
| Flammability (solids):                  | No data                  |
| Partition Coefficient (n-octonal/water) | No data                  |
| Auto-ignition Temp:                     | No data                  |
| Decomposition Temp:                     | No data                  |
| Explosive Properties:                   | No data                  |
| Oxidizing Properties:                   | No data                  |
| Flash Point:                            | -20.0°F [-28.9°C]        |
| Flammable Limits:                       | Lower: 1.67 ; Upper: 9.3 |

#### **SECTION 10 : STABILITY AND REACTIVITY**

|                                     |                                                                                                                                                                                             |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical Stability:                 | Stable under normal conditions. Hazardous polymerization does not occur.                                                                                                                    |
| Conditions to Avoid:                | Keep away from open flames, hot surfaces, static electricity and sources of ignition. Avoid extremes of heat or cold.                                                                       |
| Materials to Avoid:                 | Incompatible with strong acids and bases, alkali metals, halogens, and strong oxidizing agents.                                                                                             |
| Hazardous Decomposition Products:   | Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide, carbon dioxide, smoke, and other unidentified organic compounds may be formed during combustion. |
| Possibility of Hazardous Reactions: | None under normal conditions of use.                                                                                                                                                        |

#### **SECTION 11 : TOXICOLOGICAL INFORMATION**

|                         |         |                          |                                          |
|-------------------------|---------|--------------------------|------------------------------------------|
| Reproductive Toxicity:  | No data | Acute Toxicity:          | No data                                  |
| Mutagenicity:           | No data | Irritation:              | No data                                  |
| STOT-single exposure:   | No data | Corrosivity:             | No data                                  |
| STOT-repeated exposure: | No data | Sensitisation:           | No data                                  |
| Aspiration Hazard:      | No data | Typical Routes of Entry: | Inhalation, skin absorption, eye contact |

#### **Chronic Toxicity / Carcinogenicity**

The information below indicates whether each agency has listed any ingredient as a carcinogen:

| Component | IARC | NTP | OSHA |
|-----------|------|-----|------|
|-----------|------|-----|------|

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**SECTION 12 : ECOLOGICAL INFORMATION**

|                                |                                          |         |
|--------------------------------|------------------------------------------|---------|
| Aquatic Toxicity:              | Acute and prolonged Toxicity to Fish:    | No data |
|                                | Acute Toxicity to Aquatic Invertebrates: | No data |
|                                | Environmental Fate and Pathways:         | No data |
| Persistence and Degradability: | No data                                  |         |
| Bioaccumulative Potential:     | No data                                  |         |
| Mobility in Soil:              | No data                                  |         |
| Other Adverse Effects:         | No data                                  |         |

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**SECTION 13 : DISPOSAL CONSIDERATION**

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste Disposal Method | Dispose of in accordance with all applicable local, state, and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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**SECTION 14 : TRANSPORT INFORMATION****ONE-GALLON CONTAINERS OR LESS****REGULATION**

DOT

Proper Shipping Name  
Hazard Class  
UN-No  
Packing Group

**DESCRIPTION**

This product may ship as a LIMITED QUANTITY

**Pictograms:**

ICAO / IATA  
IMDG/IMO

Contact the preparer for further information.  
Contact the preparer for further information.

**FIVE-GALLON PAILS OR LARGER****REGULATION**

DOT

Proper Shipping Name  
Hazard Class  
UN-No  
Packing Group

**DESCRIPTION**

ADHESIVES  
3  
UN1133  
PGII

**Pictograms:**

ICAO / IATA  
IMDG/IMO

Contact the preparer for further information.  
Contact the preparer for further information.

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**SECTION 15 : REGULATORY INFORMATION**

US TSCA: Yes – All components are listed or exempt

**OSHA Regulatory Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**SARA 313**

Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, 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 Designation | Cas No.  | Weight % |
|----------------------|----------|----------|
| Hexane               | 110-54-3 | 35 - 60% |
| Toluene              | 108-88-3 | 12 - 25% |

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)**

| Chemical Designation | Cas No.  | Weight % |
|----------------------|----------|----------|
| Hexane               | 110-54-3 | 35 - 60% |
| Toluene              | 108-88-3 | 12 - 25% |

**State Regulations****California Proposition 65**

This product contains the following substance(s) known to the state of California to cause cancer or reproductive harm:

| Chemical Name | CAS Number |
|---------------|------------|
| Toluene       | 108-88-3   |

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**SECTION 16 : OTHER INFORMATION**

NFPA is a Health, Flammability and Reactivity rating: **230B**

**4** – SEVERE HAZARD, **3** – SERIOUS HAZARD, **2** – MODERATE HAZARD, **1** – SLIGHT HAZARD, **0** – MINIMAL HAZARD, \* – Chronic Hazard

Date issued: 9/10/2015 VER Primary

The above Information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy his self that the product is entirely suitable for his purposes.

\*\*\*\*\* END OF SAFETY DATA SHEET \*\*\*\*\*