# SAFETY DATA SHEET

## Section 1: Identification

**Formula 714, VTA, Colored vinyl patch:** Vinyl repair material

H & C Industries P.O. Box 131, Cedar, MN 55011 Emergency Phone: (763) 753-0365

Prepared by Howard Carlson Date prepared 07/10/15

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## Section 2: Hazard(s) Identification

| Chemical | CAS Reg. # | TWA OSHA | ACGIH TWA |
|---|---|---|---|
| Tetrahydrofuran | 109-99-9 | 200 ppm | 200 ppm |
| Acetone | 67-64-1 | 1000 ppm | 1000 ppm |
| Cyclohexanone | 108-94-1 | 50 ppm | 50 ppm |

OSHA Permissible exposure limit: 400 ppm ACGIH Threshold limit: 200 ppm

Picture symbol hazards 

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## Section 3: Composition / Information on ingredients

| Components | C.A.S. # | OSHA TWA | ACGIH TWA | %/WT |
|---|---|---|---|---|
| Tetrahydrofuran | 109-99-9 | 200 ppm | 200 ppm | 65-70 |
| Synthetic Resins | Non-hazardous | N/A | N/A | 22-25 |
| Acetone | 67-64-1 | 1000 ppm | 1000 ppm | 5-7 |
| Cyclohexanone | 108-94-1 | 50 ppm | 50 ppm | 4-6 |

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## Section 4: First-aid Measures

1: Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult.
2: Eyes: Flush eyes with copious quantities of water while holding eye lids open. If irritation persists, consult a physician.
3: Skin: Wash skin with soap and water. Use emollient skin creams. If irritation persists, consult a physician.
4: Ingestion: Give one glass of water, induce vomiting. Get medical attention.
Acute overexposure: Vapor irritates eyes, nose, and throat. Liquid may damage eye tissue.
Chronic overexposure: Headache, dizziness, skin dermatitis, anesthetic nature.

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## Section 5: Fire- fighting Measures

Extinguishing media: foam, dry chemical, CO2
Special fire fighting procedures: Do not enter confined fire space without proper protective equipment including a NIOSH approved SCBA. Use water to cool fire exposed surfaces and to protect personnel.
unusual fire and explosion hazards: respiratory protection required for fire personnel.

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## Section 6: Accidental release measures

Eliminate all sources of ignition. Isolate the spill area and clean up with absorbent material. Flush area with water and collect the spill in a waste container for disposal.
Use chemical resistant gloves, chemical splash goggles or face shield.
Waste disposal: Recover any free liquid with suitable absorbent. Consult with state and local authoritities for proper disposal procedures.

## Section 7: Handling and Storage

Storage: Keep container tightly closed. Store in a cool dry place. Keep away from heat, sparks, and open flames.
Precautions: Do not mix with any other chemicals. All handling equipment should be electrically grounded.
Incompatibility: (Materials to avoid) Strong oxidizing agents.
Ventilation: Face velocity of 60 fpm (minimum) if used in confined spaces.

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## Section 8: Exposure controls / Personal Protection

Respiratory protection: Where concentration in air exceeds threshold limit: NIOSH approved respirator.
Ventilation: Face velocity of 60 fpm (minimum) if used in confined spaces.
Protective gloves: Chemical resistant gloves.
Other protective equipment: usually not needed.

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## Section 9: Physical and chemical properties

**Appearance:** Clear thick liquid or specific color labeled / **Odor** ether like odor
**Upper/lower explosion** LEL 2 UEL 11.8 @ 25°c / **Odor threshold** ACGIH 200 ppm OSHA 400ppm
**Vapor Pressure** (mm Hg) 160mm/Hg @ 25°c / **Vapor density** (air= 1) 2.8
**Solubility in water** good / **Flash point** 2°f tag closed cup
**Boiling point** 150°f / **Auto ignition temperature** 610°f
**Evaporation rate (ether = 1)** 2.3 / **Percent volatile (by volume)** 77%
**Specific gravity (H2O = 1)** 0.96 / **Softening point, R & B** N/A

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## Section 10: Stability and Reactivity

**Stability** Stable / **Hazardous Polymerization:** will not occur
**Conditions to avoid** High heat, spark or open flame / **Hazardous decomposition products** N/A
**Incompatibility (materials to avoid)** Strong oxidizing agents.

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## Section 11: Toxicological Information

**Signs and symptoms of exposure:**
1. Acute overexposure: Vapor irritates eyes, nose, and throat. Liquid may damage eye tissue.
2. Chronic overexposure: Headache, dizziness, skin dermatitis, anesthetic nature.

Medical conditions generally aggravated by exposure: N/A

Primary routes of entry: 1.) Oral-LD50 NDA 2.) Dermal-LD50 NDA 3.) Inhalation-LD50 NDA
4.) Eye irritation-irritant 5.) Skin irritation-irritant

Chemical listed as carcinogen or potential carcinogen:

National toxicology program: no I.A.R.C. Monographs: no OSHA: no

OSHA permissible exposure limit 400 ppm

ACGIH threshold limit value 200 ppm

Other exposure limit used: N/A

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## Section 12: Ecological Information

No data available

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## Section 13: Disposal Considerations

Waste disposal: Consult with state and local authoritities for proper disposal procedures.

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## Section 14: Transportation Information

Shipping Class: Adhesive, 3, UNLL 33, packing group 2 Class 60
Note: Small packing may be shipped ground ORMD

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## Section 15: Regulatory Information

No other regulatory information is known.

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## Section 16: Other Information

Date prepared July 10, 2015.
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