



## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco HRT 95/95L**

Other means of identification:

Product Description: Generic name: Aliphatic C5 Petroleum Hydrocarbon Resin, Use of the substance/mixture: Additive for paints, coatings, inks, adhesives Rubber

Synonyms: 1,3-Pentadiene, polymer with 2-methyl-2-butene; Aliphatic C5 Petroleum Hydrocarbon Resin

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Used as an additive for paints, coatings, inks, adhesives, and rubber.

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Western Reserve Chemical Corporation, LLC  
Address: 4837 Darrow Road  
Stow, OH 44224  
USA  
General Phone Number: 330 650 2244  
General Fax Number: 330 650 2255

Emergency phone number:

Emergency Phone Number: Chemtrec 1 800 424 9300 USA  
Website: www.wrchem.com

### SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

Signal Word: Warning

GHS Class: Classification of the substance or mixture:  
Classification (GHS-US): Combustible Dust

Label elements:  
GHS-US labeling:  
Hazard statements (GHS-US): May form combustible dust concentrations in air

Hazard Statements: May form combustible dust concentrations in air.

Precautionary Statements: Do not breathe dust/fume/gas/mist/vapours/spray.

Hazards not otherwise classified that have been identified during the classification process:

**1,3-Pentadiene, polymer with 2-methyl-2-butene**

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Eye: Dust or particulates may cause eye irritation.  
Hot material may cause serious thermal burns to eyes.  
Vapors formed when material is processed at high temperatures may be irritating to the eyes.

Skin: Hot material may cause serious thermal burns to skin.

Inhalation: Vapors formed when material is processed at high temperatures may be irritating to the upper respiratory tract.

Chronic Health Effects: Repeated or prolonged contact may cause slight irritation to the skin.

Carcinogenicity: Not classified  
Lack of data

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
1,3-Pentadiene, polymer with 2-methyl-2-butene	26813-14-9	99 %	

## SECTION 4 : FIRST AID MEASURES

### Description of necessary measures:

<b>Eye Contact:</b>	Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking, tears or redness persist.
<b>Skin Contact:</b>	Wash with plenty of soap and water. If irritation persists, consult a doctor. Heated Material: For serious burns from heated material, get medical attention. In case of skin contact, immediately immerse in or flush with clean, cold water. Do not attempt to remove adhered material from skin.
<b>Inhalation:</b>	Remove to fresh air and keep at rest in a position comfortable for breathing.
<b>Ingestion:</b>	Rinse mouth out with water. If necessary seek medical advice.
<b>Notes :</b>	Most important symptoms and effects, both acute and delayed: Not expected to present a significant hazard under anticipated conditions of normal use.  Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

## SECTION 5 : FIRE FIGHTING MEASURES

### Suitable and unsuitable extinguishing media:

<b>Suitable Extinguishing Media:</b>	Suitable: Carbon dioxide. Foam. Dry chemical.
<b>Unusual Fire Hazards:</b>	Fire hazard: May form combustible dust concentrations in air. Vapors generated from overheating/melting/decomposition may be flammable and may cause fire/explosion if source of ignition is present.  Explosion hazard: Potential dust explosion hazard. When dust becomes airborne and is exposed to an ignition source, sufficient combustible/flammable dust may exist to burn in the open or explode if confined. The minimum explosive dust cloud for Wingtack dust was measured to be 0.12 oz/ft3.

### Special protective equipment and precautions for fire-fighters:

<b>Protective Equipment:</b>	Protection during firefighting: Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.
<b>Fire Fighting Instructions:</b>	Fight fire from safe distance and protected location. Use water spray or fog for cooling exposed containers. Avoid raising powdered materials into airborne dust, creating an explosion hazard. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

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

<b>Personnel Precautions:</b>	Emergency procedures for non-emergency personnel: Remove ignition sources. Ensure adequate ventilation. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  Emergency procedures for emergency responders: No additional requirement.
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### Methods and materials for containment and cleaning up:

<b>Methods for containment:</b>	Sweep up or vacuum up the product.
<b>Methods for cleanup:</b>	Dispose of solid materials or residues at a licensed site.
<b>Reference to other sections</b>	See section 8. Exposure controls and personal protection.

## SECTION 7 : HANDLING and STORAGE

### Precautions for safe handling:

<b>Handling:</b>	Precautions for safe handling: * Ensure good ventilation of the work station. * Wear personal protective equipment. * Avoid contact with heated product to prevent burns. * Prevent the build-up of electrostatic charge. * Use only non-sparking tools. * Handling this product may result in electrostatic accumulation. Use proper grounding procedures. * This material may be shipped as a viscous, molten product at elevated temperatures (approximately 204 deg C), but below its flashpoint, to facilitate transfer to storage containers or processing vessels. If frozen, thaw and mix thoroughly before use.
<b>Hygiene Practices:</b>	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

**Storage:** Conditions for safe storage, including any incompatibilities:  
 Technical measures: Electrical equipment should conform to the National Electric Code.

Storage conditions: Keep container tightly closed. Store in a dry, cool area. Flaked forms may degrade by gradual oxidation. Protect from freezing.

Maximum storage period: 12 months  
 Storage temperature: < 40 deg C

**Specific end use(s):**

**Work Practices:** Safety showers and eye wash stations should be available. \* Keep in a well-ventilated place.  
 \* Handle in accordance with good industrial hygiene and safety practices.

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### 1,3-Pentadiene, polymer with 2-methyl-2-butene :

**Guideline ACGIH:** ACGIH TWA (mg/m<sup>3</sup>) 10 mg/m<sup>3</sup> (inhalable dust)/ 3 mg/m<sup>3</sup> (respirable dust)  
 Remark (ACGIH) Particulates, not otherwise classified

**Guideline OSHA:** OSHA PEL (TWA) (mg/m<sup>3</sup>) 15 mg/m<sup>3</sup> (total dust)/ 5 mg/m<sup>3</sup> (respirable dust)  
 Remark (US OSHA) Particulates, not otherwise classified

### Appropriate engineering controls:

**Engineering Controls:** Appropriate engineering controls: Ensure good ventilation of the work station.

### Individual protection measures:

**Eye/Face Protection:** Chemical goggles.

**Skin Protection Description:** Wear suitable protective clothing.

**Hand Protection Description:** Protective gloves.

**Respiratory Protection:** In case of inadequate ventilation wear respiratory protection.

### PPE Pictograms:



## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

### PHYSICAL AND CHEMICAL PROPERTIES:

**Physical State:** Solid  
 Appearance: Flakes. Pastilles.

**Color:** Pale yellow.

**Odor:** Mild.

**Odor Threshold:** No data available

**Boiling Point:** No data available

**Melting Point:** No data available

**Density:** Relative density: 0.98

**Vapor Density:** Relative vapor density at 20 deg C: No data available

**Vapor Pressure:** 6 mm Hg @ 204 deg C/400 deg F

**Evaporation Rate:** Relative evaporation rate (butyl acetate=1): No data available

**pH:** Not Applicable

**Coefficient of Water/Oil Distribution:** Log Kow: No data available

**Flash Point:** ~ 225 deg C

**Flash Point Method:** (PMCC)

**Auto Ignition Temperature:** No data available

**Explosive Properties:** Explosion Index, Kst (bar. m/s) : 200 - 213 \*. Max. Explosive Pressure (Pmax), bar : 8.8 \*.

**9.2. Other information:**

**Notes :** Flammability (solid, gas): No data available  
 Explosive limits: No data available

Other information:  
 Minimum ignition energy: < 3 mJ

Additional information: Data denoted with an asterisk is from a representative product or class of products

## SECTION 10 : STABILITY and REACTIVITY

### Reactivity:

**Reactivity:** No dangerous reactions known under normal conditions of use.

Possibility of hazardous reactions: Dust may form explosive mixture in air.

Chemical Stability:

Chemical Stability: Stable under use and storage conditions as recommended in section 7.

Conditions To Avoid:

Conditions to Avoid: Avoid the build-up of electrostatic charge. High temperature. Avoid dust formation. Direct sunlight.

Incompatible Materials:

Incompatible Materials: Strong acids.

Hazardous Decomposition Products:

Special Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11 : TOXICOLOGICAL INFORMATION**

TOXICOLOGICAL INFORMATION:

1,3-Pentadiene, polymer with 2-methyl-2-butene :

Acute Toxicity: Not classified  
Based on available data, the classification criteria are not met

1,3-Pentadiene, polymer with 2-methyl-2-butene :

Sensitization: Respiratory or skin sensitization:  
Not classified  
Based on available data, the classification criteria are not met  
Does not cause cutaneous sensitization for guinea-pigs

Mutagenicity: Germ cell mutagenicity:  
Not classified  
Lack of data

Reproductive Toxicity: Not classified  
Lack of data

**SECTION 12 : ECOLOGICAL INFORMATION**

1,3-Pentadiene, polymer with 2-methyl-2-butene :

Ecotoxicity:

Ecotoxicity: Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Persistence and degradability:

Biodegradation: Persistence and degradability:  
No additional information available

Bioaccumulative potential:

Bioaccumulation: No additional information available

Mobility in soil:

Mobility In Environmental Media: Mobility in soil: No additional information available

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Description of waste:

Waste Disposal: Dispose of in accordance with applicable federal, state and local regulations. Waste generators must determine whether discarded material is to be classified as a hazardous waste. USEPA guidelines for the classification determination are found in 40CFR 261.3 Product as purchased is not a RCRA hazardous waste. Used packaging should be treated as unused product..

**SECTION 14 : TRANSPORT INFORMATION**

DOT Shipping Name: Not Regulated.

DOT Pictograms:



IATA UN Number: Not Regulated.

IATA Pictograms:



IMDG Shipping Name : Not Regulated.

ADR Shipping Name : Not Regulated.

RID Shipping Name : Not Regulated.

## SECTION 15 : REGULATORY INFORMATION

### Safety, health and environmental regulations specific for the product:

<b>TSCA Inventory Status:</b>	All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory
<b>SARA:</b>	SARA 313 This product contains no chemicals in excess of the applicable de minimis concentration that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Table 372.65).
<b>Section 311/312 Hazard Categories:</b>	Fire hazard
<b>California PROP 65:</b>	California Proposition 65 - To the best of our knowledge, there are no Proposition 65 chemicals present in this product at levels that would require warning under the California Safe Drinking Water and Toxic Enforcement Act.
<b>New Jersey:</b>	Listed
<b>Pennsylvania:</b>	Listed



## SECTION 16 : ADDITIONAL INFORMATION

### HMIS Ratings:

HMIS Health Hazard:	1
HMIS Fire Hazard:	1
HMIS Reactivity:	0
HMIS Personal Protection:	J

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	J

SDS Revision Date: August 10, 2015

### Notes :

Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

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