



## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

**Product Name:** Westco HRT-1315  
**Synonyms:** Thermoplastic Aliphatic C5 Resin, HRT-1315  
**Product Use/Restriction:** Westco HRT-1315 is used as a tackifier in rubber, adhesives, PSA's, coatings, traffic marking paint, and asphalt modification applications.  
**Distributor Name:** Western Reserve Chemical Corporation  
**Address:** 4837 Darrow Road  
Stow, OH 44224  
USA  
**General Phone Number:** 330 650 2244  
**General Fax Number:** 330 650 2255  
**Emergency Phone Number:** Chemtrec 1 800 424 9300 USA  
**Website:** www.wrchem.com  
**SDS Revision Date:** February 22, 2018

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

### SECTION 2 : HAZARD(S) IDENTIFICATION

**GHS Pictograms:**



**Signal Word:**

Warning

**GHS Class:**

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

**Label elements:**

GHS-US labelling:

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

May cause eye, skin, or respiratory irritation,

**Hazard Statements:**

May form combustible dust concentrations in air.  
May cause eye, skin, or respiratory irritation.

**Precautionary Statements:**

Do not breathe dust/fume/gas/mist/vapours/spray.  
If contact to eye, skin, or respiratory tract causes irritation, rinse with water and obtain medical advise if irritation persists.

#### Thermoplastic Aliphatic C5 Resin

**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

Chemical Name	CAS#	Ingredient Percent	EC Num.
Thermoplastic Aliphatic C5 Resin	64742-16-1	99 %	

### SECTION 4 : FIRST AID MEASURES

**Eye Contact:**

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

<b>Flammable Properties:</b>	Flammability (solid, gas): No data available
<b>Flash Point:</b>	~ 225 deg C
<b>Flash Point Method:</b>	(PMCC)
<b>Auto Ignition Temperature:</b>	No data available
<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.
<b>Extinguishing Media:</b>	Suitable: Carbon dioxide. Foam. Dry chemical.
<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>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.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

<b>Personal 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.
<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

<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>Storage:</b>	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
<b>Work Practices:</b>	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.
<b>Hygiene Practices:</b>	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

<b>Engineering Controls:</b>	Appropriate engineering controls: Ensure good ventilation of the work station.
<b>Eye/Face Protection:</b>	Chemical goggles.
<b>Skin Protection Description:</b>	Wear suitable protective clothing.
<b>Hand Protection Description:</b>	Protective gloves.

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

**PPE Pictograms:**



#### EXPOSURE GUIDELINES

##### Thermoplastic Aliphatic C5 Resin :

**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

#### SECTION 9 : 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: 0.97

**Vapor Density:** No data available

**Vapor Pressure:** No data available.

**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 \*.

**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

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

**Reactivity:** No dangerous reactions known under normal conditions of use.  
Possibility of hazardous reactions: Dust may form explosive mixture in air.

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

**Incompatible Materials:** Strong acids.

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

#### SECTION 11 : TOXICOLOGICAL INFORMATION

##### Thermoplastic Aliphatic C5 Resin :

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

##### Thermoplastic Aliphatic C5 Resin :

**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**

**Thermoplastic Aliphatic C5 Resin :**

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

**Biodegradation:** Persistence and degradability:  
No additional information available

**Bioaccumulation:** No additional information available

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

**SECTION 13 : DISPOSAL CONSIDERATIONS**

**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**

**TSCA Inventory Status:** All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

**SARA:** 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).

**California PROP 65:** 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.

**New Jersey:** Listed

**Pennsylvania:** Listed



**SECTION 16 : ADDITIONAL INFORMATION**

**HMIS Ratings:**

**HMIS Health Hazard:** 1

**HMIS Fire Hazard:** 1

**HMIS Reactivity:** 0

**HMIS Personal Protection:** J

**SDS Revision Date:** February 22, 2018

**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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