



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Westco HHRT-100

Other means of identification:

Product Description: C5 Hydrogenated aliphatic resin with excellent compatibility with SIS, SIBS, and SBS block copolymers and EVA copolymers.

Synonyms: C5 Hydrogenated Hydrocarbon Resin, Aliphatic Resins

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Used in Hot Melt adhesives, Pressure sensitive adhesives, paints, coatings,

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

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::

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):

GHS Class: WESTCO HHRT-100 is not classified according to the Globally Harmonized System of classification and labeling of chemicals.

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

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

Potential Health Effects: EYE CONTACT: May cause eye irritation and could injure eye tissue if not removed promptly.
SKIN CONTACT: Frequent or prolonged contact may cause irritation. Low order of toxicity. Exposure to hot material may cause thermal burns and adhesion of the solidified product to the skin.
INGESTION: Low order of toxicity.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Hydrogenated Hydrocarbon Resin	68131-77-1	>99.2 %	
Stabilizer	Proprietary	<0.8 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.

Skin Contact: Flush with large amounts of water; use soap if available .For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

Inhalation: In case of adverse exposure to vapors and/or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep

at rest. Call for prompt medical attention.

Ingestion: GET MEDICAL ATTENTION IF SWALLOWED AMOUNT OF SUBSTANCES.

Indication of immediate medical attention and special treatment needed:

Note to Physicians: Provide general supportive measures and treat symptomatically.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: DRY CHEMICAL, CO2, WATER SPRAY, REGULAR FOAM

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts: CARBON OXIDES, NITROGEN OXIDES

Special protective equipment and precautions for fire-fighters:

Protective Equipment: As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire Fighting Instructions: Use water spray to cool fire exposed surfaces and to protect personnel. Isolate fuel supply to fire. Extinguish the fire by cooling with water spray.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up:

Spill Cleanup Measures:

LAND SPILL:
Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL:
Prevent additional discharge of material, if possible to do so without hazard. Advise authorities if floating material enters a watercourse or sewer. If possible, try to contain floating material. Skim from surface.

Notes : Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: PREVENT SKIN AND EYE CONTACT AVOID CONTACT IN THE MOLTEN STATE BY HEAT AND VAPOR INHALATION. WHEN STATIC ELECTRICITY GENERATES, REMOVE BY GROUNDING, CLEANING WORK SPACE, AND USUNG ARTICLES PREVENTING ELECTRIFICATION.

Hygiene Practices: Follow good industrial hygiene practices when handling this material.

Conditions for safe storage, including any incompatibilities:

Storage: Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials. Do not handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.

Specific end use(s):

Work Practices: Keep in a well-ventilated place. Safety showers and eye wash stations should be available.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Guideline Info: Recommended that the lower exposure levels be observed as reasonable worker protection. THE RECOMMENDED FOLLOWING THRESHOLD LIMIT VALUES: A TWA of 10 mg/m³ for inhalable particulate (total dust) and a TWA of 3 mg/m³ for respirable particulate (total dust) for Particulates Not Otherwise Classified (PNOC).

Guideline OSHA: LIMITS: a TWA of 10 mg/m³ total dust for nuisance dust.

Appropriate engineering controls:

Engineering Controls: Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits.

Individual protection measures:

Eye/Face Protection: Chemical splash goggles.

Skin Protection Description: Apron or coveralls should be used to prevent contact with skin or clothing.

Hand Protection Description: Wear appropriate protective gloves to prevent exposure of skin.
Respiratory Protection: Air Respirator required in case of high frequency use or severe exposure.
PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid
Physical State Appearance: Granular.
Color: Water White
Odor: Odorless
Odor Threshold: Not available.
Boiling Point: Not available.
Melting Point: Not available.
Specific Gravity: 0.97
Solubility: Negligible solubility in water.
Vapor Pressure: Not applicable.
pH: Not available.
Flash Point: 275 Deg C.
Flash Point Method: ASTM D92 NOTE: Minimum
Lower Flammable/Explosive Limit: Not applicable.
Upper Flammable/Explosive Limit: Not applicable.
Auto Ignition Temperature: Not applicable.

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: No Data

Chemical Stability:

Chemical Stability: Stable under normal temperatures and pressures.

Possibility of hazardous reactions:

Hazardous Polymerization: Will not occur.

Conditions To Avoid:

Conditions to Avoid: Avoid heat, flames, sparks and other sources of ignition. Do not heat above 200 C (392 F).

Incompatible Materials:

Incompatible Materials: No Data

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Notes : Please refer to Section 3 for available information on potential health effects.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Dispose of in accordance with Local, State, Federal and regulations.

Contaminated Packaging: Please ensure that packaging, including drums, are disposed of in a responsible manner and in accordance with federal, and your state's, solid/hazardous waste regulations.

Notes : Please refer to Sections 5, 6 and 15 for disposal and regulatory information

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.

DOT Pictograms:



SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: All the constituents of this product are TSCA listed or exempt from listing.

CERCLA Section 302: Non regulated.

OSHA Process Safety: Non regulated.

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

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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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