



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: WESTCO RESIN ESTER 10

Other means of identification

Chemical Name: Glycerol ester of hydrogenated rosin

Synonyms: Resin acids and Rosin acids, hydrogenated, esters with glycerol

Recommended Use: Tackifier resin

Recommended Restrictions: None known.

Supplier information:

Supplier: Western Reserve Chemicals

Supplier Address: 60 S. Seiberling Street
Akron, OH 44305

Telephone: 330-650-2244

Website: www.wrchem.com

Emergency phone number: Chemtrec: 1-800-424-9300 US

SECTION 2 – HAZARD(S) IDENTIFICATION

Physical hazards: Not classified

Health hazards: Not classified

Environmental hazards: Not classified

OSHA defined hazards: Combustible dust

GHS Label Elements:

Hazard symbol: None

Signal word: Warning

Hazard Statements:

May form combustible dust concentrations in air.

Precautionary Statements:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces.-No smoking.

Keep containers tightly closed.



Ground/bond container and receiving equipment.
Prevent dust accumulation to minimize explosion hazard.
Observe good industrial hygiene practices.

Response:

Take off contaminated clothing and wash before reuse.
In case of fire: Use appropriate media to extinguish.

Storage:

Store away from incompatible materials.

Disposal:

Dispose of wastes and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): None known

Supplemental information: None

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance:

<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Concentration</u>
Glycerol ester of hydrogenated rosin	65997-13-9	100%

SECTION 4 – FIRST AID MEASURES

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention. If molten material contacts the eye, immediately flush with plenty of water. Get medical attention immediately.

Inhalation: Remove person to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical attention.

Skin contact: Wash skin with plenty of soap and water. Remove contaminated clothing and shoes. If irritation persists, consult a physician. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with clean, cold water. See a physician for removal of adhering material and treatment of burn. Get medical attention.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of the material are swallowed, contact a physician immediately.



Most important symptoms/effects, acute and delayed:

Prolonged exposure to smoke or fumes generated by heating this product may cause respiratory irritation with throat discomfort, coughing or sensitization in susceptible individuals.

Indication of immediate medical attention and special treatment needed:

Contact with molten substance/product may cause severe burns to skin and eyes. Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method: Water spray, dry chemical, foam, carbon dioxide (CO₂).

Specific hazards arising from chemical: Keep containers as cool as possible to avoid rupture.

Combustion Products: Oxides of carbon, toxic fumes.

Special firefighting equipment and precautions for firefighters: Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Firefighting equipment/instructions: Apply water to HOT resin fires from a safe, protected location to avoid body contact with hot resins. Prevent water from entering the environment.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate personal protective equipment recommended in Section 8 of the SDS. Keep unnecessary people away, isolate hazard area and deny entry. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Methods and materials for containment and cleaning up:

Ventilate area. Avoid dust formation. Sweep up and place in a clearly labeled container for proper disposal. Do not allow to enter into ground-water, surface water or drains.

Environmental precautions: Avoid release to the environment

SECTION 7 - HANDLING AND STORAGE



Precautions for safe handling:

Good hygienic practices should be observed. Use in well-ventilated area. Wear personal protective equipment. Avoid conditions that generate dust; product may form combustible dust-air mixtures. Keep away from heat, flame, sparks and other ignition sources. Prevent build-up of electrostatic charge.

Conditions for safe storage, including any incompatibilities:

Store closed containers in cool, dry, well-ventilated area. Keep away from sources of ignition.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Ensure good ventilation at the work station.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety glasses when eye contact is possible. When handling product hot, wear splash resistant safety goggles with a face shield.

Skin protection:

Hand protection: Wear appropriate chemical resistant protective gloves.

Other protection: Wear appropriate skin covering clothing. Personnel exposed to HOT MOLTEN or HOT LIQUID material should wear protective clothing that provided protection against thermal burns.

Respiratory protection: Appropriate respiratory protection is required with exposure to airborne contaminants may exceed acceptable limits. Respirators should be selected and used in accordance with OSHA, Subpart I (29CFR 1910.134) and manufacturers recommendations.

General Information: Eyewash stations and safety showers should be easily accessible. Observe good industrial hygiene practices.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Transparent/Pale Yellow Granular Solid
Odor:	Slight, piney
Odor threshold:	Not available
Softening Point:	75°C-110°C
pH:	Not available
Freezing Point:	~42.67°C
Initial Boiling Point/Range:	>300°C
Flash Point:	>216°C



Evaporation Rate:	Not available
Explosion Limits (LEL/UEL):	Product is not explosive.
Vapor Pressure:	<100 Pa (20°C)
Vapor Density:	Not available
Specific Gravity:	1.06 - 1.09
Molecular weight (GPC, Mw):	Not available
Solubility (water):	Insoluble in water.
Partition Coefficient: (n-octanol/water)	4.7 - 5.8
Auto-ignition Temperature:	~402°C
Decomposition Temperature:	Not available
Viscosity:	Not applicable
Minimum Explosive Concentration:	Not available
KSt-value (bar x m/s):	Not available
VOC:	Not available

SECTION 10 - STABILITY & REACTIVITY

Reactivity: No dangerous reactions known under normal and anticipated storage and handling conditions.

Chemical stability: Stable under use and storage conditions recommended in Section 7.

Possibility of hazardous reactions: Not anticipated under normal or recommended handling and storage conditions.

Conditions to avoid: Extreme heat.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not classified
Skin Corrosion/Irritation:	Not classified
Serious Eye Damage/Irritation:	Not classified
Respiratory or Skin Sensitization:	Not classified
Germ cell Mutagenicity:	Not classified



Carcinogenicity: Substance is not listed by IARC, NTP or OSHA.

Reproductive toxicity: Not classified

Specific target organ toxicity-single exposure: Not classified

Specific target organ toxicity-repeated exposure: Not classified

Aspiration hazard: Not applicable

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of in compliance with federal, state and local regulations.

Disposal of Contaminated Packaging: Dispose of contents and container in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT Classification: Solid at ambient temperature. Not DOT regulated.

IMDG (Transport by Sea): Solid at ambient temperature. Not regulated.

IATA (Transport by Air): Solid at ambient temperature. Not regulated.

SECTION 15 - REGULATORY INFORMATION

U.S. Federal:



EPA TSCA Status:

All components of this product are listed as Active or exempt from listing on the TSCA Inventory.

SARA Section 311/312 Hazard Classes: Combustible dust.

SARA Section 313: None listed.

SECTION 16 - OTHER INFORMATION

Issue date: 2-7-2024

Version #: 01

Disclaimer: The information and recommendations contained herein are based upon data that are believed to be accurate and reliable. Application and performance information are provided only as a guide, since the conditions of use are beyond the control of Western Reserve Chemicals. Consequently, WRC makes no warranties, express or implied, with respect to the goods or use of the goods or the performance of the goods and makes no warranties of fitness for a particular purpose or merchantability. Buyer acknowledges that WRC will not be liable for consequential, incidental, direct or special damages arising, directly or indirectly, in respect to such goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise.

Western Reserve Chemicals

www.wrchem.com