



# TECKROS HRL

## SAFETY DATA SHEET

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### 1. Identification

**Product Identifier/Code** Teckros HRL, Liquid Hydrogenated Gum Rosin Ester  
**Recommended use** Adhesives, Sealants, Coatings, Wax, and other formulations  
**Recommended restrictions** None known  
**Manufacturer** Teckrez, Inc.  
**Company address** 1845 Town Center Blvd., Suite 110A  
Fleming Island, FL 32003 USA  
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### 2. Hazards Identification

**Physical hazards** Not classified; molten material will cause thermal burns.  
**Health hazards** Not classified  
**OSHA defined hazards** Not classified  
**Label elements**  
**Hazard Symbol** None  
**Signal word** None  
**Hazard statement** None  
**Precautionary statement** Practice good industrial hygiene. Store in protective environment, away from incompatible materials and elevated temperature equipment. Wash hands and other exposed areas after handling. Waste disposal in accordance with local requirements.  
**Storage** Store away from incompatible materials.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazards not otherwise classified (HNOC)** None known

### 3. Composition/Information on Ingredients

Chemical Name	CAS number	%
Methyl Ester of Hydrogenated Rosin	8050-15-5	100%

### 4. First-aid Measures

**Inhalation** Move exposed person to fresh air. Keep person warm and at rest. Get medical attention if symptoms persist.  
**Skin contact** Flush contaminated skin with soap and water. Remove contaminated clothing and shoes. Cool as quickly as possible if exposed to molten material. Do not attempt to remove adhered material from skin; material will come off as healing occurs. Get medical attention if symptoms occur.  
**Eye contact** Immediately flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if easy to do. Get medical attention if irritation occurs and persists.  
**Ingestion** Seek medical attention.

**Most important symptoms/  
effects, acute and delayed  
Indication of immediate  
medical attention and  
special treatment needed**

None

Burns should be treated as thermal burns; material will come off as healing occurs.

## 5. Fire-fighting Measures

**Suitable extinguishing  
media**

Water spray, dry chemical, carbon dioxide

**Unsuitable extinguishing  
media**

Avoid high pressure extinguisher application which could spread fire.

**Specific hazards arising  
from the chemical**

Hazardous decomposition products in the case of a fire includes: CO<sub>2</sub>, carbon monoxide, smoke.

**Specific protective  
equipment and precautions  
Specific methods**

Appropriate protective clothing and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.  
Use standard firefighting procedures and consider hazards of other materials.

## 6. Accidental Release Measures

**Personal precautions,  
protective equipment and  
emergency procedures**

Use suitable protective equipment. Keep unnecessary personnel away from material.

**Methods and materials for  
containment and cleaning up  
Environmental precautions**

Carefully contain and collect material and place in an appropriate container for disposal.  
Keep from drains; prevent uncontrolled run-offs.

## 7. Handling and Storage

**Precautions for safe handling  
Conditions for safe storage,  
including any incompatibilities**

Wash thoroughly after handling. Prevent contact with molten material.  
Keep container tightly closed in a cool, well-ventilated area. Keep away from ignition sources and static electricity.

## 8. Exposure Controls/Personal

### 8.1 Occupational exposure limits

USA ACGIH	ACGIH (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable dust)
USA ACGIH	Remark (ACGIH)	Particulates, not otherwise classified
USA 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)
USA OSHA	Remark (US OSHA)	Particulates, not otherwise classified

### 8.2 Exposure controls

**Appropriate engineering  
controls**

Ensure good ventilation of the work station. Consider explosion proof ventilation equipment.

**Hand protection**

Protective chemical resistant gloves

**Eye protection**

Safety glasses with side shields (or goggles)

**Skin and body protection**

Wear suitable protective clothing, including appropriate clothing for exposure to molten material.

**Respiratory protection** Where exposure through inhalation may occur from use, respiratory protection equipment of approved standard is recommended. Wear appropriate respiratory protection, if occupational exposure limits are exceeded or irritation/sensitivity is experienced.

## 9. Physical and Chemical Properties

### Appearance

Physical state	Liquid
Form	Liquid
Color	Pale yellow
Odor	Bland (slight rosin)
pH	Not available
Melting point	Liquid
Initial boiling point	>200°C
Flash point	Closed cup >170°C
Evaporation rate	Not determined; considered negligible
Auto ignition temperature	Not determined
Flammability (solid, gas)	Not determined
Decomposition temperature	Not established. Very low hazard expected at normal operating conditions.
Density	1.02 g/cm <sup>3</sup> (8.549 lb(s)/gal)
Solubility	Insoluble in water. Good solubility in aliphatic and aromatic hydrocarbons. Minimal solubility in alcohols.
Viscosity	1,500 cps @ 40°C

## 10. Stability and Reactivity

Reactivity and chemical stability	Non-reactive and stable under normal operating conditions. Decomposition can occur at elevated temperatures.
Possibility of hazardous reactions	None known under normal operating conditions.
Conditions to avoid	Open flame, static electricity
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Smoke, carbon dioxide, carbon monoxide

## 11. Toxicology Information

### Information on likely routes of exposure

Inhalation	Fumes may irritate respiratory system.
Skin Contact	Molten material causes thermal burns.
Eye Contact	Direct contact with eyes may cause temporary irritation

### Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
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Components	Species	Test Results
<b>Rosin Ester (CAS Proprietary)</b>		
Acute Dermal LD50	New Zealand white rabbit	>2,000 mg/kg, 14 days at this dose, no death occurred; OECD 402
Acute Oral LD50	Sprague-Dawley rat	>2,000 mg/kg, 14 days at this dose, no death occurred; OECD 425
*Estimates for product may be based on additional component data not shown.		

<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/irritation</b>	No data available
<b>Respiratory sensitization</b>	No data available
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity-single exposure</b>	Not classified
<b>Specific target organ toxicity-repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not available

## 12. Ecological Information

<b>Ecological impact statement</b>	This product is not classified as environmentally hazardous. This does not exclude the possibility that large or frequent spills could be environmentally damaging. This product is not readily biodegradable.
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## 13. Disposal Considerations

<b>Disposal instructions</b>	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
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## 14. Transport Information

<b>DOT</b>	Not regulated as dangerous goods
<b>IATA</b>	Not regulated as dangerous goods
<b>IMDG</b>	Not regulated as dangerous goods

## 15. Regulatory Information

<b>15.1. US Federal regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the US EPA TSCA inventory list.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, subpoint D)</b>	Not regulated

<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed
<b>OSHA Specially Regulated Substances (29 CFR 1010.1001-1050)</b>	Not listed
<b>Superfund Amendments and Reauthorization Act 1986 (SARA) Hazard Categories</b>	Immediate Hazard: No; Delayed Hazard: No; Fire Hazard: No; Pressure Hazard: No; Reactivity Hazard: No
<b>SARA 302 Emergency Hazardous Substance</b>	Not regulated
<b>SARA 304 Emergency Release Notification</b>	Not regulated
<b>SARA 311/312 Hazardous Chemical</b>	No
<b>SARA 313 TRI Reporting</b>	Not regulated
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) list</b>	Not regulated
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated
<b>Safe Drinking Water Act (SDWA) 15.2. US State regulations</b>	Not regulated
<b>California Controlled Substances, Dept. of Justice (CA Health and Safety Code Section 11100)</b>	Not listed
<b>Massachusetts RTK-Substance List</b>	Not regulated
<b>New Jersey Worker and Community RTK Act</b>	Not listed
<b>Pennsylvania Worker and Community RTK Law</b>	Not listed
<b>Rhode Island RTK</b>	Not listed

#### 16. Other Information, including date of preparation or last revision

<b>NFPA health hazard</b>	1
<b>NFPA fire hazard</b>	1
<b>NFPA reactivity</b>	0
<b>HMIS III Rating</b>	
<b>Health</b>	1
<b>Flammability</b>	1
<b>Physical hazard</b>	0
<b>Personal protection</b>	See section 8 of SDS
<b>Version</b>	1.0
<b>Date of issue</b>	June 1, 2015

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