



Prepared according to 29CFR 1910.1200.

<b>1</b>	<b>Chemical Product and Company Identification</b>
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*Joe Gibbs Driven  
13201 Reese Blvd., West  
Huntersville, NC 28078  
Phone: (866) 611-1820*

<b>Product Trade Name</b>	CONVENTIONAL HOT ROD HR 15W-50
<b>CAS Number</b>	Not applicable for mixtures.
<b>Synonyms</b>	None.
<b>Generic Chemical Name</b>	Mixture.
<b>Product Type</b>	Multipurpose.
<b>Preparation/Revision Date</b>	10 October 2009
<b>Transportation Emergency Phone No.</b>	FOR TRANSPORT EMERGENCY call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)
<b>MSDS No.</b>	29075197-3111620-3115910-102103

<b>2</b>	<b>Hazards Identification</b>
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<b>Appearance</b>	Hazy amber liquid.
<b>Odor</b>	Mild
<b>Principal Hazards</b>	This material has no known health hazards.

See Section 11 for complete health hazard information.

<b>3</b>	<b>Composition/Information on Ingredients</b>
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<b>Hazardous Ingredients</b>	This material has no known hazards under applicable laws.
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<b>4</b>	<b>First Aid Measures</b>
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<b>Eyes</b>	Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.
<b>Skin</b>	Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
<b>Inhalation</b>	Remove exposed person to fresh air if adverse effects are observed.
<b>Oral</b>	DO NOT INDUCE VOMITING. Get immediate medical attention.
<b>Additional Information</b>	Note to physician: Treat symptomatically.

<b>5</b>	<b>Fire Fighting Measures</b>
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<b>Flash Point</b>	197 °C, 386.6 °F PMCC (Typical)
<b>Extinguishing Media</b>	CO2, dry chemical, or foam. Water can be used to cool and protect exposed material.
<b>Firefighting Procedures</b>	Recommend wearing self-contained breathing apparatus. Water may cause splattering.
<b>Unusual Fire &amp; Explosion Hazards</b>	None known.

<b>6</b>	<b>Accidental Release Measures</b>
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<b>Spill Procedures</b>	Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulation. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.
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<b>7</b>	<b>Handling and Storage</b>
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<b>Pumping Temperature</b>	Ambient
<b>Maximum Handling Temperature</b>	70 °C, 158 °F
<b>Handling Procedures</b>	Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
<b>Maximum Storage Temperature</b>	Not determined.
<b>Storage Procedures</b>	Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 113 deg F (45 deg C) for extended periods of time or if heat sources in excess of 250 deg F (121 deg C) are used.
<b>Loading Temperature</b>	Not determined.

<b>8</b>	<b>Exposure Controls/Personal Protection</b>
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<b>Exposure Limits</b>	None established
<b>Other Exposure Limits</b>	Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.
<b>Engineering Controls</b>	Use with adequate ventilation.
<b>Gloves Procedures</b>	Nitrile.
<b>Eye Protection</b>	Safety Glasses.
<b>Respiratory Protection</b>	Use NIOSH/MSHA approved respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
<b>Clothing Recommendation</b>	Long sleeve shirt is recommended. Wear either a chemical protective suit or apron when potential for contact with material exists. When working with heated material, wear heat protective clothing. Launder contaminated clothing before reuse.

<b>9</b>	<b>Physical and Chemical Properties</b>
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<b>Flash Point</b>	197 °C, 386.6 °F PMCC (Typical)
<b>Upper Flammable Limit</b>	Not determined.
<b>Lower Flammable Limit</b>	Not determined.
<b>Autoignition Point</b>	Not determined.
<b>Explosion Data</b>	Material does not have explosive properties.
<b>Vapor Pressure</b>	Not determined.
<b>pH</b>	Not determined.
<b>Specific Gravity</b>	0.88 (15.6 °C)
<b>Bulk Density</b>	Not determined.
<b>Water Solubility</b>	Insoluble.
<b>Percent Solid</b>	Not determined.
<b>Percent Volatile</b>	Not determined.
<b>Volatile Organic Compound</b>	Not determined.
<b>Vapor Density</b>	Not determined.
<b>Evaporation Rate</b>	Not determined.
<b>Odor</b>	Mild
<b>Appearance</b>	Hazy amber liquid.
<b>Viscosity</b>	155 Centistokes (40 °C) 20 Centistokes (100 °C)
<b>Odor Threshold</b>	Not determined.
<b>Boiling Point</b>	Not determined.
<b>Pour Point Temperature</b>	-39 °C, -38 °F
<b>Melting / Freezing Point</b>	Not determined.

*The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.*

<b>10</b>	<b>Stability and Reactivity</b>
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<b>Stability</b>	Material is normally stable at room temperature and pressure. See the Handling and Storage Section for further details.
<b>Decomposition Temperature</b>	Not determined.
<b>Incompatibility</b>	Oxidizing agents.
<b>Polymerization</b>	Will not occur.
<b>Thermal Decomposition</b>	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released.
<b>Conditions to Avoid</b>	Not determined.

<b>11</b>	<b>Toxicological Information</b>
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**-- ACUTE EXPOSURE --**

<b>Eye Irritation</b>	Not expected to cause eye irritation Based on data from components or similar materials.
<b>Skin Irritation</b>	Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
<b>Respiratory Irritation</b>	If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials. Fumes or vapor from heated polymer may be toxic and/or irritating to eyes, skin, mucous membrane and respiratory tract

<b>Dermal Toxicity</b>	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
<b>Inhalation Toxicity</b>	No data available to indicate product or components may be a toxic inhalation hazard.
<b>Oral Toxicity</b>	The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials.
<b>Dermal Sensitization</b>	No data available to indicate product or components may be a skin sensitizer.
<b>Inhalation Sensitization</b>	No data available to indicate product or components may be respiratory sensitizers.

**-- CHRONIC EXPOSURE --**

<b>Chronic Toxicity</b>	No data available to indicate product or components present at greater than 1% are chronic health hazards.
<b>Carcinogenicity</b>	This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Reproductive Toxicity</b>	This product contains para-dodecylphenol. Rats given high, repeated daily doses of para-dodecylphenol by oral intubation experienced adverse reproductive effects. The relevance of these effects to humans is uncertain.
<b>Teratogenicity</b>	This product contains para-dodecylphenol. Pregnant rats given high, repeated daily doses of para-dodecylphenol by oral intubation gave birth to pups with cleft palate and skeletal malformations. The relevance of these effects to humans is uncertain.

**-- ADDITIONAL INFORMATION --**

<b>Other</b>	No other health hazards known.
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<b>12</b>	<b>Ecological Information</b>
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**-- ENVIRONMENTAL TOXICITY --**

<b>Freshwater Fish Toxicity</b>	The acute LC50 is 100 - 1000 mg/L based on component data.
<b>Freshwater Invertebrates Toxicity</b>	The acute EC50 is 10 - 100 mg/L based on component data.
<b>Algal Inhibition</b>	Not determined.
<b>Saltwater Fish Toxicity</b>	Not determined.
<b>Saltwater Invertebrates Toxicity</b>	The acute LC50 is 10 - 100 mg/L based on component data.
<b>Bacteria Toxicity</b>	Not determined.
<b>Miscellaneous Toxicity</b>	Not determined.

**-- ENVIRONMENTAL FATE --**

<b>Biodegradation</b>	At least 25% of the components in this product show moderate biodegradation based on OECD 301-type test data. At least 25% of the components in this product show moderate biodegradation based on OECD 302-type test data.
<b>Bioaccumulation</b>	Less than 1.0% of the components potentially bioconcentrate, based on octanol/water coefficients.
<b>Soil Mobility</b>	Not determined.

<b>13</b>	<b>Disposal Considerations</b>
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<b>Waste Disposal</b>	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.
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<b>14</b>	<b>Transport Information</b>
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<b>ICAO/IATA I</b>	Not regulated.
<b>ICAO/IATA II</b>	Not regulated.
<b>IMDG</b>	Not regulated.
<b>IMDG EMS Fire</b>	Not applicable.
<b>IMDG EMS Spill</b>	Not applicable.
<b>IMDG MFAG</b>	Not applicable.
<b>MARPOL Annex II</b>	Not determined.
<b>USCG Compatibility</b>	Not determined.
<b>U.S. DOT Bulk</b>	Not regulated.
<b>U.S. DOT Non-Bulk</b>	Not regulated.
<b>DOT NAERG</b>	Not applicable.
<b>TDG Bulk</b>	Not regulated.
<b>TDG Non-Bulk</b>	Not regulated.
<b>Mexico</b>	Not regulated.
<b>Mexico Non-Bulk</b>	Not regulated.
<b>Bulk Quantity</b>	85000 liters, 22457 gal.
<b>Non-Bulk Quantity</b>	207.8 liters, 55 gal.

*Review classification requirements before shipping materials at elevated temperatures.*

<b>15</b>	<b>Regulatory Information</b>
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**-- Global Chemical Inventories --**

<b>USA</b>	All components of this material are on the US TSCA Inventory or are exempt.
<b>Other TSCA Reg.</b>	None known.
<b>EU</b>	All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
<b>Japan</b>	All components are in compliance with the Chemical Substances Control Law of Japan.
<b>Australia</b>	All components are in compliance with chemical notification requirements in Australia.
<b>New Zealand</b>	All components are in compliance with chemical notification requirements in New Zealand.
<b>Canada</b>	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
<b>Switzerland</b>	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
<b>Korea</b>	All components are in compliance in Korea.
<b>Philippines</b>	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
<b>China</b>	All components of this product are listed on the Inventory of Existing Chemical Substances in China.

**-- Other U.S. Federal Regulations --**

**SARA Ext. Haz. Subst.** This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

**SARA Section 313** From 0.5 to 1.5 percent zinc compounds; contains 0.1% as Zn.

**SARA 311 Classifications**

Acute Hazard	No
Chronic Hazard	No
Fire Hazard	No

Reactivity Hazard	No
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**CERCLA Hazardous Substances**

None known.

**FDA Approval**

Not applicable.

**-- State Regulations --**

**Cal. Prop. 65**

This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: < 0.01 ppm Benzene, CAS no. 71-43-2 < 0.05 ppm cadmium < 0.05 ppm arsenic < 0.05 ppm lead 0.002% Toluene, CAS no. 108-88-3

**-- Product Registrations --**

**U.S. Fuel Registration**

Not applicable.

**U.S. Dept of Agriculture**

This product has not been filed with the USDA to support H2 approvals.

**NSF Nonfood Compounds Registration**

This product has not been filed with the NSF to support H1 or H2 approvals.

**Finnish Registration Number**

Not Registered

**Swedish Registration Number**

Not Registered

**Norwegian Registration Number**

Not Registered

**Danish Registration Number**

Not Registered

**Swiss Registration Number**

Not Registered

**Italian Registration Number**

Not Registered

**Korean Registration Number**

Not Registered

**-- Other / International --**

**TDG Regulated Limit.**

None known.

<b>16</b>	<b>Other Information</b>
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**US NFPA Codes**

Health	Fire	Reactivity	Special
1	1	0	N/E

(N/E) - None established

**HMIS Codes**

Health	Fire	Reactivity
0	1	0

**Precautionary Labels**

- This material has no known health hazards.

**Revision Indicators**

Section: 15 New Zealand

Changed: 10 October 2009

*Users Responsibility/Disclaimer of Liability: The information set forth herein is based on our current knowledge, and is intended to describe the product solely with respect to health, safety and the environment. As such, it must not be interpreted as a guarantee of any specific property of the product. As a result, the customer shall be solely responsible for deciding whether said information is suitable and beneficial.*