



Prepared according to 29CFR 1910.1200.

1	<b>Chemical Product and Company Identification</b>
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*Joe Gibbs Driven Racing Oil  
13415 Reese Blvd., West  
Huntersville, NC 28078  
Phone: (866) 611-1820*

**Product Trade Name** ASSEMBLY GREASE  
**CAS Number** Not applicable for mixtures.  
**Synonyms** None.  
**Generic Chemical Name** Mixture.  
**Product Type** Multipurpose.  
**Preparation/Revision Date** 01 September 2009  
**Transportation Emergency Phone No.** FOR TRANSPORT EMERGENCY call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)  
**MSDS No.** 28953502-2002419-3029910-102103

2	<b>Hazards Identification</b>
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**Appearance** Brown viscous liquid.  
**Odor** Mild  
**Principal Hazards** Warning.  

- Harmful if inhaled.
- May cause eye irritation.
- May cause skin irritation.
- May cause respiratory tract irritation.

**Target Organs:** Central nervous system

See Section 11 for complete health hazard information.

3	<b>Composition/Information on Ingredients</b>
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**Hazardous Ingredients**

Comp	CAS No.	Percentage (by wt.)	Carcinogen
Calcium sulfonate	Confidential.	From 30 to 39.9 percent	N/E
Hexylene glycol	107-41-5	From 0.5 to 1.5 percent	N/E

(N/E) - None established

<b>4</b>	<b>First Aid Measures</b>
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**Eyes** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

**Skin** Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.

**Inhalation** Remove exposed person to fresh air. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists or if toxic symptoms are observed, get medical attention.

**Oral** DO NOT INDUCE VOMITING. Get immediate medical attention.

**Additional Information** Note to physician: Treat symptomatically.

<b>5</b>	<b>Fire Fighting Measures</b>
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**Flash Point** 204 °C, 399.2 °F PMCC (Typical)

**Extinguishing Media** CO2, dry chemical, or foam. Water can be used to cool and protect exposed material.

**Firefighting Procedures** Recommend wearing self-contained breathing apparatus. Water may cause splattering.

**Unusual Fire & Explosion Hazards** None known.

<b>6</b>	<b>Accidental Release Measures</b>
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**Spill Procedures** 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.

<b>7</b>	<b>Handling and Storage</b>
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**Pumping Temperature** Not determined.

**Maximum Handling Temperature** 70 °C, 158 °F

**Handling Procedures** 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. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

**Maximum Storage Temperature** 45 °C, 113 °F

**Storage Procedures** No special storage precautions required.

**Loading Temperature** Not determined.

<b>8</b>	<b>Exposure Controls/Personal Protection</b>
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**Exposure Limits**

Comp	Exposure Guidelines					
	OSHA		ACGIH		Other	
	TWA	STEL	TWA	STEL	TWA	STEL
Hexylene glycol	N/E	N/E	N/E	25 ppm (c)	N/E	N/E

- (s) - Skin exposure
- (p) - Proposed limit
- (c) - Ceiling exposure
- (l) - Recommended exposure limit
- (u) - Supplier recommended exposure limit
- (N/E) - 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>	If use generates a mist or vapor, local exhaust ventilation is recommended. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.
<b>Gloves Procedures</b>	Nitrile. Neoprene.
<b>Eye Protection</b>	Safety Glasses.
<b>Respiratory Protection</b>	Use NIOSH/MSHA approved full face respirator with a combination organic vapor and dust/mist cartridge if the 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. Launder contaminated clothing before reuse.

<b>9</b>	<b>Physical and Chemical Properties</b>
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<b>Flash Point</b>	204 °C, 399.2 °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>	1.18 (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>	Brown viscous liquid.
<b>Viscosity</b>	850 Centistokes (40 °C) 90 Centistokes (100 °C)
<b>Odor Threshold</b>	Not determined.
<b>Boiling Point</b>	Not determined.
<b>Pour Point Temperature</b>	-27 °C, -17 °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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**Stability** Material is normally stable at moderately elevated temperatures and pressures.

<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. Under combustion conditions, oxides of the following elements will be formed: calcium.
<b>Conditions to Avoid</b>	Not determined.

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

<b>Eye Irritation</b>	Weak to moderate eye irritant. Does not meet EU R36 criteria. Based on data from components or similar materials.
<b>Skin Irritation</b>	May cause slight skin irritation. Does not meet EU R38 criteria. Based on data from similar materials. Prolonged and repeated exposure causes defatting and cracking of the skin.
<b>Respiratory Irritation</b>	May cause nose, throat, and lung irritation. Based on data from similar materials. Material may aggravate an underlying pulmonary disease.
<b>Dermal Toxicity</b>	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
<b>Inhalation Toxicity</b>	High concentrations may cause headaches, dizziness, weakness, irritability and other behavioral changes, nausea, and vomiting.
<b>Oral Toxicity</b>	The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials. Ingestion may cause CNS depression. Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in pulmonary edema and chemical pneumonitis.
<b>Dermal Sensitization</b>	This product contains hexylene glycol which has been reported to cause dermatitis in sensitive individuals.
<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>	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
<b>Teratogenicity</b>	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

**-- 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>	Not determined.
<b>Algal Inhibition</b>	Not determined.

<b>Saltwater Fish Toxicity</b>	Not determined.
<b>Saltwater Invertebrates Toxicity</b>	Not determined.
<b>Bacteria Toxicity</b>	The acute EC50 is 100 - 1000 ppm based on component data.
<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 limited biodegradation based on OECD 302-type test data.
<b>Bioaccumulation</b>	1 - 10% 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.

**Australia** All components are in compliance with chemical notification requirements in Australia.  
**New Zealand** May require notification before sale under New Zealand regulations.  
**Canada** All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.  
**Switzerland** All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.  
**Korea** All components are in compliance in Korea.  
**Philippines** All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).  
**China** 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** This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

**SARA 311 Classifications**

Acute Hazard	Yes
Chronic Hazard	Yes
Fire Hazard	No
Reactivity Hazard	No

**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: < 0.05 ppm cadmium < 0.1 ppm arsenic < 0.5 ppm lead

**-- 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.

16	Other Information
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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
1*	1	0

**Precautionary Labels**

Warning.

- Harmful if inhaled.
- May cause eye irritation.
- May cause skin irritation.
- May cause respiratory tract irritation.

**Revision Indicators**

Section: 2 Appearance.	Changed: 16 June 2009
Section: 2 Principal hazards.	Changed: 16 June 2009
Section: 3 Hazardous ingredients.	Changed: 1 September 2009
Section: 4 Inhalation first aid.	Changed: 1 May 2009
Section: 5 Flash Ignition Temperature	Changed: 30 March 2009
Section: 6 Spill procedures.	Changed: 30 March 2009
Section: 7 Handling procedures.	Changed: 1 May 2009
Section: 8 Clothing recommendations.	Changed: 16 June 2009
Section: 8 Eye protection.	Changed: 1 May 2009
Section: 8 Glove protection.	Changed: 1 May 2009
Section: 8 Hazardous ingredients.	Changed: 1 September 2009
Section: 8 Respiratory protection.	Changed: 1 May 2009
Section: 8 Ventilation procedures.	Changed: 1 May 2009
Section: 9 Appearance.	Changed: 16 June 2009
Section: 9 Flash Ignition Temperature	Changed: 30 March 2009
Section: 9 Odor threshold.	Changed: 30 March 2009
Section: 9 Percent volatile.	Changed: 30 March 2009
Section: 9 Specific gravity.	Changed: 1 May 2009
Section: 10 Thermal decomposition.	Changed: 1 May 2009
Section: 11 Dermal sensitization.	Changed: 1 May 2009
Section: 11 Eye irritation.	Changed: 1 May 2009
Section: 11 Inhalation toxicity.	Changed: 1 May 2009
Section: 11 Oral toxicity.	Changed: 16 June 2009
Section: 11 Respiratory irritation.	Changed: 1 May 2009
Section: 11 Skin irritation.	Changed: 16 June 2009
Section: 12 Algae toxicity.	Changed: 1 May 2009
Section: 12 Bacteria toxicity.	Changed: 16 June 2009
Section: 12 Freshwater fish toxicity.	Changed: 30 March 2009
Section: 12 Freshwater invertebrate toxicity.	Changed: 30 March 2009
Section: 13 Waste disposal.	Changed: 30 March 2009
Section: 15 MISC. Regulatory info.	Changed: 30 March 2009
Section: 15 SARA section 311/312.	Changed: 1 May 2009
Section: 16 HMIS codes.	Changed: 1 May 2009
Section: 16 Miscellaneous information.	Changed: 30 March 2009
Section: 16 NFPA Codes.	Changed: 1 May 2009
Section: 16 Principal hazards.	Changed: 16 June 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.*