



Prepared according to Annex II of EC Regulation 1907/2006.

<b>1</b>	<b>Substance/Product Identification</b>
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<b>Product Trade Name</b>	<b>EMKARATE RL 170H</b>
<b>Company</b>	<i>CPI Engineering Services 2300 James Savage Rd. Midland, MI 48642 Phone: 989-496-3780 Fax: 989-496-0316</i>
<b>E-mail contact</b>	EUSDS@lubrizol.com
The chemical identity of this substance and its code name/number is confidential business information. Do not release this MSDS to non-Corporate personnel. Requests for MSDSs from the public should be referred to the Product Safety Department.	
<b>CAS Number</b>	Confidential.
<b>Synonyms</b>	None.
<b>Preparation/Revision Date</b>	10 August 2010
<b>Generic Chemical Name</b>	Carboxylic ester
<b>Product Type</b>	Not applicable.
<b>Emergency Phone Number</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>	191435-1019938-2020021-102103

<b>2</b>	<b>Hazards Identification</b>
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<b>Symbol(s)</b>	Not applicable.
<b>Product Classification</b>	Not applicable.

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

This material has no known hazards under applicable laws.

<b>4</b>	<b>First Aid Measures</b>
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<b>Ingestion</b>	DO NOT INDUCE VOMITING. Get immediate medical attention.
<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>Additional Information</b>	Note to physician: Treat symptomatically.

<b>5</b>	<b>Fire Fighting Measures</b>
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<b>Flash Point</b>	> 276 °C, 530.1 °F COC (Minimum)
<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>	Not determined.

<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. 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>	Not determined.
<b>Maximum Handling Temperature</b>	Not determined.
<b>Handling Procedures</b>	Keep containers closed when not in use. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product.
<b>Maximum Storage Temperature</b>	Not determined.

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**Storage Procedures**  
**Loading Temperature**

No special storage precautions required.  
Not determined.

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

**EU**  
Not applicable.

**UK**  
Not applicable.

**Ireland**  
Not applicable.

**India**  
Not applicable.

**Cyprus**  
Not applicable.

**Other Exposure Limits**

None known.

**Engineering Controls**

Use with adequate ventilation.

**Hand Protection**

Neoprene.

**Eye Protection**

Safety Glasses.

**Respiratory Protection**

Use respirator with an organic vapor cartridge if 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.

**Clothing Recommendation**

Long sleeve shirt is recommended. Launder contaminated clothing before reuse.

<b>9</b>	<b>Physical and Chemical Properties</b>
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**Flash Point** > 276 °C, 530.1 °F COC (Minimum)  
**Upper Flammable Limit** Not determined.  
**Lower Flammable Limit** Not determined.  
**Autoignition Point** Not determined.  
**Explosion Data** Material does not have explosive properties.  
**Vapour Pressure** Not determined.  
**pH** Not determined.  
**Specific Gravity** 1 (15.6 °C)  
**Bulk Density** Not determined.  
**Water Solubility** Insoluble.  
**Percent Solid** Not determined.  
**Percent Volatile** Not determined.  
**Volatile Organic Compound** Not determined.  
**Vapour Density** Not determined.  
**Evaporation Rate** Not determined.  
**Odour** Mild  
**Appearance** Clear liquid.  
**Viscosity** Not determined.  
**Odour Threshold** Not determined.  
**Boiling Point** Not determined.  
**Pour Point Temperature** Not determined.  
**Melting / Freezing Point** Not determined.

*The above data are typical values and do not constitute a specification.*

<b>10</b>	<b>Stability and Reactivity</b>
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**Stability** Material is normally stable at moderately elevated temperatures and pressures.  
**Decomposition Temperature** Not determined.  
**Incompatibility** Strong acids. Strong bases.  
**Polymerization** Will not occur.  
**Thermal Decomposition** Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

<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.
<b>Respiratory Irritation</b>	No data available to indicate product or components may cause respiratory irritation under normal workplace conditions and good industrial hygiene practices.
<b>Dermal Toxicity</b>	The LD50 in rabbits is > 2000 mg/Kg. Based on data from 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 > 5000 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>	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
<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.
<b>Other</b>	No other health hazards known.

<b>12</b>	<b>Ecological Information</b>
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**-- ENVIRONMENTAL TOXICITY --**

<b>Freshwater Fish Toxicity</b>	Not determined.
<b>Freshwater Invertebrates Toxicity</b>	Not determined.
<b>Algae Toxicity</b>	Not determined.
<b>Saltwater Fish Toxicity</b>	Not determined.
<b>Saltwater Invertebrates Toxicity</b>	Not determined.
<b>Bacteria Toxicity</b>	Not determined.
<b>Miscellaneous Toxicity</b>	Not determined.

**-- ENVIRONMENTAL FATE --**

<b>Biodegradation</b>	Adequate data is not available to estimate the biodegradation potential of this material.
<b>Bioaccumulation</b>	Not determined
<b>Soil Mobility</b>	Not determined.
<b>WGK</b>	WGK = 2 according to the Water Hazardous Directive, VwVwS, dated May 17, 1999.

<b>13</b>	<b>Disposal Considerations</b>
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<b>Waste Disposal</b>	This material, if discarded, should not be considered a European hazardous waste.
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<b>14</b>	<b>Transport Information</b>
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<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>ADR/RID</b>	Not regulated
<b>ADR/RID Hazard ID No.</b>	Not applicable.
<b>South Africa</b>	Not regulated

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

<b>15</b>	<b>Regulatory Information</b>
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<b>Symbol(s)</b>	Not applicable.
<b>Indication of Danger</b>	Not applicable.
<b>Precautionary Labels</b>	Not applicable.
<b>Other Label Information</b>	None.

**-- Global Chemical Inventories --**

<b>USA</b>	All components of this material are on the US TSCA Inventory or are exempt.
<b>EU</b>	All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
<b>Japan</b>	May require notification in 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>	This product requires notification in China.

**-- Product Registrations --**

<b>Finnish Registration Number</b>	Not Registered
<b>Swedish Registration Number</b>	Not Registered
<b>Norwegian Registration Number</b>	Not Registered
<b>Danish Registration Number</b>	Not Registered
<b>Swiss Registration Number</b>	Not Registered
<b>Italian Registration Number</b>	Not Registered

**-- Other / International --**

<b>Miscellaneous Regulatory Information</b>	Not determined.
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<b>16</b>	<b>Other Information</b>
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<b>HMIS Codes</b>	<table border="1"> <thead> <tr> <th><b>Health</b></th> <th><b>Fire</b></th> <th><b>Reactivity</b></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1</td> <td>0</td> </tr> </tbody> </table>	<b>Health</b>	<b>Fire</b>	<b>Reactivity</b>	0	1	0
<b>Health</b>	<b>Fire</b>	<b>Reactivity</b>					
0	1	0					

<b>Relevant R Phrases</b>	Not applicable.
<b>Revision Indicators</b>	This MSDS has no revisions since 10 August 2010

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