

# MATERIAL SAFETY DATA SHEET

*ROYALENE® 301T*

Version: 1.5  
Date of Issue: 06/23/2007  
Date printed: 06/23/2007

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** ROYALENE® 301T

**Chemical name:** Ethylene-propylene dicyclopentadiene rubber

**Use of substance/preparation:** No specific information

**Supplier:** Lion Copolymer Geismar, LLC.  
-  
36191 Louisiana Highway 30  
Geismar, LA 70734 USA

**Emergency telephone number:** CHEMTREC : 800-424-9300 (For USA, and Canada)  
CHEMTREC: 703-527-3887 (For all other Countries) -  
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**Environmental, Health and Safety Department:** US-225-673-8871 or 225-267-3608

**Prepared by** Supply Chain Date of Issue: 06/23/2007  
(US) +1 800-535-9960  
(Outside of the US) 1 + 225-267-3788  
Email: CustomerService@Lioncopolymer.com

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## 2. HAZARDS IDENTIFICATION

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### EMERGENCY OVERVIEW

#### CAUTION!

MAY CAUSE EYE IRRITATION DUE TO NUISANCE DUST.  
MOLTEN PRODUCT MAY CAUSE THERMAL BURNS.  
FUMES OR VAPOR FROM HEATED MATERIAL MAY BE TOXIC AND/OR IRRITATING TO EYES, SKIN, MUCOUS MEMBRANE AND RESPIRATORY TRACT.

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENT	% BY WEIGHT
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This product does not contain reportable hazardous ingredients as defined by the OSHA Hazard Communication Standard 29 CFR 1910.120

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## 4. FIRST AID MEASURES

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### **Swallowing**

Drink promptly a large quantity of milk, egg white or gelatin solution. If not available, drink a large quantity of water. Give water to drink. Do not induce vomiting. Obtain medical attention if gastrointestinal irritation develops.

### **Inhalation**

Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, administer oxygen. Obtain medical attention immediately.

### **Skin contact**

Wash skin with soap and water. If burned by contact with hot molten material, cool burned skin as quickly as possible by immersing in cold water, or applying cold water. Call a physician.

### **Eye contact**

Immediately flush eyes with water and continue washing for at least 15 minutes. The eyelids should be held open and away from the eyeball to ensure that all surfaces are flushed thoroughly. If burned by contact with hot molten material, flush eyes immediately with water and continue washing for several minutes. In case of eye irritation seek medical attention.

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## 5. FIRE-FIGHTING MEASURES

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Flammable limits

**Lower limit:** Not available

**Upper limit:** Not available

**Autoignition temperature:**

Not available

### NFPA CLASSIFICATION

<b>Health: 2</b>	<b>Flammability: 1</b>	<b>Reactivity: 0</b>	<b>Special provisions:</b>
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### **Hazardous combustion products**

Thermal decomposition may produce:

Irritating fumes.

Toxic gases/vapours

### **Special protective equipment for firefighters**

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

### **Extinguishing media**

**Suitable:** Water.

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## 6. ACCIDENTAL RELEASE MEASURES

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### **Personal precautions**

Wear suitable protective equipment, especially eye protection.

### **Environmental precautions**

Avoid runoff to sewers or waterways.

### **Methods for cleaning up**

Sweep up and collect in a suitable container for disposal.

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## 7. HANDLING AND STORAGE

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## **HANDLING**

### **Handling precautions**

Avoid contact with skin and clothing.

## **STORAGE**

### **Storage requirements**

Store in a cool, dry place., Store away from:., - direct light sources, - indirect light sources, - sunlight (ultraviolet), - fluorescent light, Oil-extended grades must be covered with opaque polyethylene wrapping when not in use.

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### **EXPOSURE LIMIT VALUES**

#### **PERSONAL PROTECTION**

##### **Respiratory protection**

The determination of appropriate respiratory protection is best performed, on a case by case basis, taking into consideration the exposure conditions of the particular operation.

##### **Hand protection / protective gloves**

Chemical resistant protective gloves, Heat protective impervious gloves when handling molten product.

##### **Eye protection**

Safety goggles.

##### **Skin protection**

Wear protective clothing, such as long sleeves to minimize skin contact., Coveralls when handling molten product.

#### **ENGINEERING CONTROLS**

##### **Ventilation**

Special, local ventilation is recommended at points where vapors generated at high temperatures may be vented to the workplace air.

##### **Further information**

Provide for sufficient ventilation and/or exhaust.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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### **APPEARANCE**

Physical state	Amorphous solid
Odor	Characteristic
Odor threshold	Not available

### **OTHER PROPERTIES**

Boiling point	Not available
Melting point	Not available
Solidification	Not available
pH	Not available
Specific gravity (H <sub>2</sub> O=1)	Not available
Density	0.87 g/cm <sup>3</sup>
Vapor pressure	
Solubility in water	Insoluble
Solubility in organic solvents	Soluble
Partitioning coefficient	Not available

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<b>Flash point</b>	Not available
<b>Autoignition temperature</b>	Not available
<b>Upper explosion limits</b>	Not available
<b>Lower explosion limits</b>	Not available
<b>Percent volatiles</b>	Not available
<b>Dynamic viscosity</b>	40 mPa.s at 125 °C Method: MOONEY

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## 10. STABILITY AND REACTIVITY

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**Stability:** Stable at ambient temperatures.

**Incompatible materials:**

If stored and handled as instructed: none

**Hazardous combustion products:**

Thermal decomposition may produce:  
Irritating fumes.  
Toxic gases/vapours

**Hazardous polymerization:** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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**GENERAL**

There is no acute toxicology information on this product. High molecular weight polymers have not been shown to present a significant acute health risk.

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## 12. ECOLOGICAL INFORMATION

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No information available.

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## 13. DISPOSAL CONSIDERATIONS

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**General:** Avoid discharge to sewers and natural waters., Dispose of in accordance with appropriate Federal, State, and local regulations.

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## 14. TRANSPORT INFORMATION

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**DOT Classification**

This product is not regulated by DOT.

**IMDG Classification**

This product is not regulated by IMDG.

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## ICAO Classification

This product is not regulated by ICAO.

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## 15. REGULATORY INFORMATION

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Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

Chemical name	CAS#	Max weight %
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### New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
4,7-Methano-1H-indene-tetrahydro-,with ethene an 1-propene	25034-71-3	
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	2082-79-3	
Soybean oil, epoxidized	8013-07-8	

### California Proposition 65

\*\*\*\* NONE \*\*\*\*

### CHEMICAL INVENTORY

Canada: This product is on the DSL.  
Europe: The ingredients of this mixture are on the EINECS inventory.  
United States: This product is on the TSCA inventory.  
Australia: This product is on the AICS inventory.  
China: This product is on the IECSC Inventory.  
Japan: This product is on the ENCS inventory.  
Korea: This product is listed on the Existing Chemicals List (ECL).  
Philippines: This product is on the PICCS.

Food contact  
21CFR175.105 Adhesives 21CFR177.2600 Rubber Articles Intended for repeated uses

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## 16. OTHER INFORMATION

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### HMIS RATING

Health: 0	Flammability: 1	Reactivity: 0	PPI: X
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STP	Standard temperature and pressure
W/W	Weight/Weight
1 (HMIS)	0 (HMIS) Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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