



## SAFETY DATA SHEET

**Royalene ® 505, 509, 510, 511, 512, 525, 535, 539, 547, 556, 559, 563, 580 HT & 868XE**

### 1. IDENTIFICATION

|                     |  |
|---------------------|--|
| Product Name        | Royalene ® 505, 509, 510, 511, 512, 525, 535, 539, 547, 556, 559, 563, 580 HT & 868XE  |
| Identified uses     | A General Purpose Sponge and Tire Polymer  |
| Supplier            | Caleb Management Services Limited<br>The Stable, Somerset House<br>Church Road<br>Tormarton<br>Badminton<br>Gloucestershire, GL9 1HT<br>+44(0)845 258 1956<br>+44(0)845 258 1958<br>Tom McKellar-Smythe<br>sdst@calebgroup.net |
| Contact Person      | Tom McKellar-Smythe  |
| Manufacturer        | Lion Copolymer Geismar, LLC<br>36191 Louisiana<br>Highway 30<br>Geismar<br>LA 70734<br>USA<br>customerservice@lioncopolymer.com  |
| Emergency Telephone | Chemtrec: +1 703-527-3887  |

### 2. HAZARD(S) IDENTIFICATION

|                    |  |
|--------------------|--|
| Appearance         | Soft. Solid  |
| Color              | Not entered.   |
| Odor               | Characteristic.  |
| GHS Pictogram      | No pictogram required.   |
| GHS Classification | Physical and Chemical Hazards Not classified.<br>Human health Not classified.<br>Environment Not classified. |

OSHA Regulatory Status

This Product is Not Hazardous under the OSHA Hazard Communication Standard.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

|                                       |         |
|---------------------------------------|---------|
| Ethylene-Propylene Copolymer          | 60-100% |
| CAS No.: 25038-36-2                   | EC No.: |
| GHS Classification<br>Not classified. |         |

### 4. FIRST-AID MEASURES

#### Description of first aid measures

**Inhalation**

Move into fresh air and keep at rest. For breathing difficulties oxygen may be necessary. Get medical attention if any discomfort continues.

**Ingestion**

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

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## Skin Contact

Remove contaminated clothing immediately and wash skin with soap and water. Burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

## Eye Contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions.

### **Most important symptoms and effects, both acute and delayed**

#### General Information

Seek medical attention for all burns, regardless how minor they may seem.

#### Inhalation

No specific symptoms noted.

#### Ingestion

No specific symptoms noted.

#### Skin Contact

No specific symptoms noted.

#### Eye Contact

No specific symptoms noted.

### **Indication of any immediate medical attention and special treatment needed**

#### Notes To The Physician

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## **5. FIRE-FIGHTING MEASURES**

#### Auto Ignition Temperature (°C)

Not available.

#### Flammability Limit - Lower(%)

Not available.

#### Flammability Limit - Upper(%)

Not available.

#### Flash point (°C)

Not available.

#### Extinguishing Media

Fire can be extinguished using: Water.

#### Hazardous combustion products

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

#### Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

#### Specific Hazards

In case of fire, toxic gases may be formed.

#### Special Fire Fighting Procedures

Avoid breathing fire vapors. NOTE! Use air-supplied respirators to protect against gases/fumes.

#### Protective Equipment For Fire-Fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## **6. ACCIDENTAL RELEASE MEASURES**

#### Personal Precautions

Wear protective clothing as described in Section 8 of this material safety data sheet.

#### Environmental Precautions

Avoid discharge to the aquatic environment.

#### Spill Clean Up Methods

For waste disposal, see section 13.

#### Reference to other sections

Wear protective clothing as described in Section 8 of this material safety data sheet. For waste disposal, see section 13. See section 11 for additional information on health hazards.

## **7. HANDLING AND STORAGE**

#### Handling

Avoid spilling, skin and eye contact.

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## Storage

Store in tightly closed original container in a dry, cool and well-ventilated 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.

## Storage Class

Unspecified storage.

## Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Protective Equipment



### Engineering Measures

Provide sufficient ventilation during operations which cause vapor formation.

### Respiratory Equipment

In case of inadequate ventilation or when the product is heated, use suitable respiratory equipment with gas filter (type A2).

### Hand Protection

Use suitable protective gloves if risk of skin contact.

### Eye Protection

Wear approved safety goggles.

### Thermal hazards

The molten product can cause serious burns.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |   |
|---|---|
| Appearance                              | Soft. Solid                                     |
| Color                                   | Not entered.                                    |
| Odor                                    | Characteristic.                                 |
| Solubility                              | Insoluble in water Soluble in: Organic solvents |
| Initial boiling point and boiling range |   |
| Not available.                          |   |
| Melting point (°C)                      |   |
| Not available.                          |   |
| Relative density                        |   |
| Not available.                          |   |
| Bulk Density                            | 870 kg/m <sup>3</sup>                           |
| Vapor density (air=1)                   |   |
| Not available.                          |   |
| Vapor pressure                          |   |
| Not available.                          |   |
| Evaporation rate                        |   |
| Not available.                          |   |
| Evaporation Factor                      |   |
| Not available.                          |   |
| pH-Value, Conc. Solution                |   |
| Not applicable.                         |   |
| pH-Value, Diluted Solution              |   |
| Not applicable.                         |   |
| Viscosity                               |   |
| Not applicable.                         |   |
| Decomposition temperature (°C)          |   |
| Not available.                          |   |
| Odour Threshold, Lower                  |   |
| Not available.                          |   |
| Odour Threshold, Upper                  |   |
| Not available.                          |   |

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Flash point

Not available.

Auto Ignition Temperature (°C)

Not available.

Flammability Limit - Lower(%)

Not available.

Flammability Limit - Upper(%)

Not available.

Partition Coefficient  
(N-Octanol/Water)

Not available.

Solid/Liquid Ignition On Contact With Air.

No.

Oxidising properties

Not determined.

## 10. STABILITY AND REACTIVITY

Reactivity

No specific reactivity hazards associated with this product.

Stability

Stable under normal temperature conditions and recommended use.

Hazardous Polymerisation

Will not polymerise.

Conditions To Avoid

Avoid exposure to high temperatures or direct sunlight.

Materials To Avoid

No incompatible groups noted.

Hazardous Decomposition Products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

Toxicological information

No information available.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity

There are no data on the ecotoxicity of this product.

Partition coefficient

Not available.

## 13. DISPOSAL CONSIDERATIONS

Waste Management

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Disposal Methods

Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

General Not regulated.

Road Transport Notes Not regulated.

Rail Transport Notes Not regulated.

Sea Transport Notes Not regulated.

Air Transport Notes Not regulated.

## 15. REGULATORY INFORMATION

Regulatory Status (US)

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

US Federal Regulations

US State Regulations

International Inventories

EU - EINECS/ELINCS

None of the ingredients are listed.

Canada – DSL/NDSL

All ingredients are listed or exempt.

US - TSCA

All ingredients are listed or exempt.

US – TSCA 12(b) Export Notification

None of the ingredients are listed.

Australia - AICS

All ingredients are listed or exempt.

Japan – MITI

All ingredients are listed or exempt.

Korea - KECI

All ingredients are listed or exempt.

China - IECSC

All ingredients are listed or exempt.

Phillippines – PICCS

All ingredients are listed or exempt.

**16. OTHER INFORMATION**

|               |                    |
|---------------|--------------------|
| Revision Date | 28th Nov 2013      |
| Signature     | T. McKellar-Smythe |

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.