

MATERIAL SAFETY DATA SHEET

ROYALENE® 559

Version: 1.0
Date of Issue: 10/31/11
Date printed: 10/31/2011

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ROYALENE® 559

Chemical name: Ethylene-propylene ethylidene norbornene rubber

Use of substance/preparation: No specific information.
Supplier: Lion Copolymer Geismar, LLC
36191 Louisiana Highway 30
Geismar, LA 70734 USA

Manufacturer: Lion Copolymer Geismar, LLC
36191 Louisiana Highway 30
Geismar, LA 70734 USA

Emergency telephone number: 225-673- 8871

Environmental, Health and Safety Department: 225-267-3608

2. COMPOSITION / INFORMATION ON INGREDIENTS

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

WHMIS CLASSIFICATION

This is not a WHMIS controlled product.

CPR Compliance

This product has been classified with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

3. HAZARDS IDENTIFICATION

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.

4. FIRST AID MEASURES

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.

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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.

5. FIRE-FIGHTING MEASURES

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.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Consult local authorities for acceptable provincial values.No other exposure limits have been established

PERSONAL PROTECTION

Respiratory protection

NIOSH approved breathing air equipment or NIOSH approved face mask with organic vapor cartridge and dust or mist pre-filter (not for use in fire fighting or in atmospheres with reduced oxygen content).

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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.

9. PHYSICAL AND CHEMICAL PROPERTIES

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 (H₂O=1)	0.86
Vapor pressure	
Solubility in water	Insoluble
Solubility in organic solvents	Soluble
Partitioning coefficient	Not available
Flash point	Not available
Autoignition temperature	Not available
Upper explosion limits	Not available
Lower explosion limits	Not available
Percent volatiles	Not available
Dynamic viscosity	61 mPa.s at 125 °C Method: MOONEY

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures.

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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.

11. TOXICOLOGICAL INFORMATION

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.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

General: Dispose of waste material in compliance with all federal, provincial and local regulations., Avoid discharge to sewers and natural waters.

14. TRANSPORT INFORMATION

TDG - Canada

This product is not regulated by TDG.

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

WHMIS CLASSIFICATION

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CPR Compliance

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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.

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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.

16. OTHER INFORMATION

FURTHER INFORMATION
MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.

STP	Standard temperature and pressure
W/W	Weight/Weight

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