Revision Date: 4 March 2015

SAFETY DATA SHEET

Trilene® 67, 77

1. IDENTIFICATION

Product Name	Trilene® 67, 77
Identified uses	Reactive plasticizer
Supplier	Lion Copolymer Geismar, LLC P.O. Box 397 Geismar Louisiana 70734 USA Telephone +1 (800) 535-9960 customerservice@lionelastomers.com
Contact Person	Customer Service
Manufacturer	Lion Copolymer Geismar, LLC 36191 Highway 30 Geismar Louisiana 70734 USA
Emergency Telephone	Chemtrec: +1 703-527-3887

2. HAZARD(S) IDENTIFICATION

Appearance	Amorphous solid
Color	White/off-white
Odor	Characteristic
GHS Pictogram	No pictogram required

GHS Classification

Physical and Chemical Hazards	Not classified
Human Health	Not classified
Environment	Not classified

OSHA Regulatory Status

This product in not hazardous as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ethylene-propylene Ethylidene Norbornene Terpolymer	CAS # 25038-36-2	>98%

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 f 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.

Skin Contact
Remove contaminated clothing immediately and wash skin with soap and water. Product in use may be molten. 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 persist, 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.

Eye Contact
No specific symptoms noted.

Indication of any immediate medical attention and special treatment needed

Notes to the Physician
No recommendation give, but first aid may still be required incase of accidental exposure, inhalation, or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROPMPTLY!

5. FIRE-FIGHTING MEASURES

Auto Ignition Temperature (°C)
Not available.
Flammability Limit – Lower (%)
Not available.
Flash Point (°C)
Not applicable.
Extinguishing Media
Fire can be extinguished using: Water
Hazardous Combustion Products
In case of fire, toxic gases (CO, CO_2, NO_x) 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 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 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.

Storage

Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from: direct light sources, indeirect light sources, sunlight (ultraviolet)m fluorescent light.

Storage Class

Unspecified storage

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	Amorphous solid
Color	White/off-white
Odor	Characteristic
Solubility	Insoluble in water; soluble in organic solvents.
Initial boiling point and boiling range	Not applicable
Melting point (®C)	Not available
Relative density	0.86
Bulk density	860 kg/m3
Vapor Density (air=1)	Not available
Vapor Pressure	Not available
Evaporation Rate	Not applicable
Evaporation Factor	Not applicable
pH-Value, Conc. Solution	Not applicable
pH-Value, Diluted Solution	Not applicable
Viscosity	100,000 to 120,000 cP @ 100°C Brookfield
Decomposition Temperature (°C)	Not available
Odor Threshold, Lower	Not available
Odor Threshold, Upper	Not available
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
Oxidizing 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 Polymerization
Will not polymerize

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 ecotoxicty of this product.

Partition Coefficient
Not applicable

13. DISPOSAL CONSIDERATIONS

Waste Management

This product is not considered to be hazardous waste under the definitions of the EPA and the Resource Conservation and Recovery Act (RCRA). However, ant local or state regulation governing the process and disposal of waste should be followed.

Disposal Methods	No specific methods given.

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

US Federal Regulations

SARA Section 302
Extremely Hazardous Substances
NONE

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ) 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 (SARA 313). Components present in this product t a level which could require reporting under the statute are:
NONE

SARA 311/312 Hazard Categories
Acute Health Hazard ***NONE***

Chronic Health Hazard	***NONE***
Fire Hazard	***NONE***
Sudden Release of Pressure Hazard	***NONE***
Reactive Hazard	***NONE***

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) and Volatile Organic Compounds (VOCs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (HAPS) or volatile organic compounds (VOCs) under Section 112 of the Clean Air Act Amendments of 1990

Food and Drug Adminsistration
This product is compliant with the following regulations for indirect food contact:
21CFR175.105 Adhesives
21CFR 177.2600 Rubber articles intended for repeated use

US State Regulations

California Proposition 65	Not listed
New Jersey Right-to-Know	Not listed
Massachusetts Right-to-Know	Not Listed
Pennsylvania Right-to-Know	Not Listed

CONEG (HEAVY METALS)
Based on information provided by our suppliers, the raw materials used in the manufacture of this product contain no toxic heavy metals in concentrations greater than trace levels including lead, mercury, cadmium and hexavalent chromium which are not present in concentrations
at or greater than 100 ppm as specified in the CONEG model legislation for Toxics in Packaging.

International Inventories

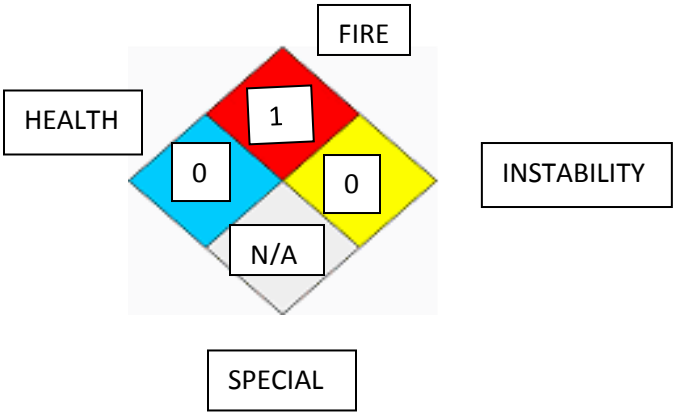
EU-EINECS/ELINCS
None of the ingredients is listed
Canada – DSL/NDSL
All ingredients are listed or exempt
US – TSCA
All ingredients are listed or exempt
Australia – AICS
All ingredients are listed or exempt
Japan – MITI
All ingredients are listed or exempt
Korea – KECI
All ingredients are listed or exempt
China _IECSC
All ingredients are listed or exempt
Philippines – PICCS
All ingredients are listed or exempt

16. OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH	0
FLAMMABILITY	1
PHYSICAL	0
PERSONAL PROTECTION	X

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



The opinions expressed herein are those of qualified experts within Lion Copolymer Geismar, LLC. We believe that the information contained herein is current as of the date of this safety data sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of Lion Copolymer Geismar, LLC, it is the user's obligation to determine the conditions of safe use of these products.

Revision Date 4 March 2015

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