

Date February, 1987

MATERIAL SAFETY DATA SHEET

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Product Name:

BUTAREZ®
CTL TYPE I,
CTL TYPE II, HTS,
HTL, and
NONFUNCTIONAL

PHILLIPS 66 COMPANY
A SUBSIDIARY OF PHILLIPS PETROLEUM COMPANY
Bartlesville, Oklahoma 74004

Emergency Phone Nos.
918-661-3865 (during business)
918-661-8118 (after hours)



USA AND CANADA



WORLDWIDE

OTHER COUNTRIES

PRODUCT IDENTIFICATION

Synonyms: See Page 6.

Chemical Name: See Page 6.

Chemical Family: Butadiene Polymer

Chemical Formula: See Page 6.

CAS Reg. No: See Page 6.

Product No: See Page 6.

Product and/or Components Entered on EPA's TSCA Inventory: Yes ☒ No ☐

HAZARDOUS COMPONENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>%* By Wt.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
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This product does not meet the definition of a hazardous material given in 29 CFR Part 1910.1200 (OSHA). Information on this form is furnished as a customer service.

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PERSONAL PROTECTION INFORMATION

Ventilation: Use adequate ventilation.

Respiratory Protection: Not generally required.

Eye Protection: Use safety glasses with side shields.

Skin Protection: Use safety glasses with side shields and face shield for splash protection.

NOTE: Personal protection information shown above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

HANDLING AND STORAGE PRECAUTIONS

Store below 110°F to maintain product quality.

REACTIVITY DATA

Stability: Stable ☒ Unstable ☐

Incompatibility (Materials to Avoid):

Hazardous Polymerization: Will Not Occur ☒ May Occur ☐

Hazardous Decomposition Products: Carbon oxides and hydrocarbon gases.

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HEALTH HAZARD DATA

RECOMMENDED EXPOSURE LIMITS: None established.

ACUTE EFFECTS OF OVEREXPOSURE:

EYE: No known applicable information.

SKIN: No known applicable information.

INHALATION: No known applicable information.

INGESTION: No known applicable information.

SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

No known applicable information.

OTHER HEALTH EFFECTS:

No known applicable information.

HEALTH HAZARD CATEGORIES:

	Animal	Human		Animal	Human
Known Carcinogen	☐	☐	Toxic	☐	☐
Suspect Carcinogen	☐	☐	Corrosive	☐	☐
Mutagen	☐	☐	Irritant	☐	☐
Teratogen	☐	☐	Target Organ Toxin	☐	☐
Allergic Sensitizer	☐	☐	Specify _____		
Highly Toxic	☐	☐			

FIRST AID AND EMERGENCY PROCEDURES:

EYE: Flush eyes with water. If irritation develops consult a physician.

SKIN: Rinse with water. If irritation develops consult a physician.

INHALATION: No known applicable information.

INGESTION: Induce vomiting. If illness develops consult a physician.

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PHYSICAL DATA

Appearance: Amber, viscous liquid

Odor: Mild

Boiling Point: NE

Vapor Pressure: Negligible

Vapor Density (Air = 1): NA

Solubility in Water: Negligible

Specific Gravity ($H_2O = 1$): 0.9 at 60/60°F

Percent Volatile by Volume: <1

Evaporation Rate (_____ = 1): Negligible

Viscosity: NE

FIRE and EXPLOSION DATA

Flash Point (Method Used): NE

Flammable Limits (% By Volume in Air): LEL NA UEL NA

Fire Extinguishing Media: Dry chemical, foam or carbon dioxide (CO_2).

Special Fire Fighting Procedures: Shut off source. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment and/or garments described on Page 2 if exposure conditions warrant. Water fog or spray may be used to cool exposed equipment and containers.

Fire and Explosion Hazards: Smoke and noxious gases (carbon oxides and hydrocarbons) released when burned.

SPILL, LEAK and DISPOSAL PROCEDURES

Precautions Required if Material is Released or Spilled: Wear protective equipment and/or garments described on Page 2 if exposure conditions warrant. Shut off source and contain spill. Keep out of water sources and sewers. Absorb in dry, inert material (sand, clay, sawdust, etc.). Transfer to disposal drums.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations): Incinerate or place in waste management facility.

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DOT TRANSPORTATION

Shipping Name: NA
Hazard Class: NA
ID Number: NA
Marking: NA
Label: NA
Placard: NA
Hazardous Substance/RQ: NA
Shipping Description: NA
Packaging References: NA

RCRA CLASSIFICATION (FOR UNADULTERATED PRODUCT AS A WASTE)

NA

PROTECTIVE MEASURES DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT

Wear protective equipment and/or garments described on Page 2 if exposure conditions warrant. Contact immediate supervisor for specific instructions before work is initiated.

HAZARD CLASSIFICATION

☐ THIS PRODUCT MEETS THE FOLLOWING HAZARD DEFINITION(S) AS DEFINED BY THE OCCUPATIONAL SAFETY AND HEALTH HAZARD COMMUNICATION STANDARD (29 CFR SECTION 1910.1200):

- | | | |
|---|---|---|
| ☐ Combustible Liquid | ☐ Flammable Aerosol | ☐ Oxidizer |
| ☐ Compressed Gas | ☐ Explosive | ☐ Pyrophoric |
| ☐ Flammable Gas | ☐ Health Hazard (See Page 3) | ☐ Unstable |
| ☐ Flammable Liquid | ☐ Organic Peroxide | ☐ Water Reactive |
| ☐ Flammable Solid | | |

☒ BASED ON INFORMATION PRESENTLY AVAILABLE, THIS PRODUCT DOES NOT MEET ANY OF THE HAZARD DEFINITIONS OF 29 CFR SECTION 1910.1200.

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ADDITIONAL COMMENTS

Butarez HTL

Synonym: Mixture
Chemical Name: Hydroxytelechelic Liquid Polybutadiene
Formula: Mixture
CAS No.: NE
Product No.: NE

Butarez CTL Type I

Synonym: Mixture
Chemical Name: Polybutadiene and Polybutadiene Dicarboxylic Acid Mixture
Formula: Mixture
CAS No.: 51570-42-4
Product No.: RB0100

Butarez CTL Type II

Synonym: Polybutadiene Dicarboxylic Acid
Chemical Name: Polybutadiene, Carboxy-Terminated
Formula: $\text{HOOC}(\text{C}_4\text{H}_8)_x\text{COOH}$
CAS No.: 68441-48-5
Product No.: RB0200

Butarez Nonfunctional

Synonym: Polybutadiene
Chemical Name: Polybutadiene
Formula: $(\text{C}_4\text{H}_8)_x$
CAS No.: 9003-17-2
Product No.: RB0300

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