

MSDS BUNA CB 55 L

Number: MSDS-ING-CB-037 Date: 10/02/2010 Review: 0 Issue: Monica Regina Approval:Joao Ribeiro

History of Updates			
Review	Date	Location	Modification
0	10/02/2010	Geral	Emissão Inicial

SECTION I – IDENTIFICATION

PRODUCT NAME: Buna CB 55 L Buna CB is a butadiene polymer, produced by solution polymerization using PRODUCT a stereospecific initiator of alkyl - lithium series and non-staining antioxidant **IDENTIFICATION: USE OF THE PRODUCT:** Tires; retreads; shoe soles; conveyor belts; calendered, molded or extruded rubber goods and others COMPANY: LANXESS Elastômeros do Brasil S.A. ADRESS: BR 101, Km 99, Cabo de Santo Agostinho, PE - Brazil **TELEPHONE:** (55) 81 2119-7300 **EMERGENCY TELEPHONE** 0800 727 2287 NUMBER: (55) 81 2119-7473 FAX: EMAIL: msds-lxseb@lanxess.com

SECTION II – HAZARDS IDENTIFICATION

HAZARDS:

This product is not a hazardous chemical.

NFPA 704 HAZARD SIGNAL



SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	(%)	Nº CAS	Nº EINECS	CLASSIFICATION
Butadiene polymer	>99,5%	9003-17-2	NC	NC
tris(nonylphenyl) phosphite	0,31%	26523-78-4	247-759-6	N-R50/53

SUBSTANCE/PREPARATION: CHEMICAL FAMILY: Substance Synthetic elastomer

SECTION IV – FIRST AID MEASURES

SKIN CONTACT:

INHALATION:

INGESTION:

This product is an inert solid. If in eye, remove as one would any foreign object. No hazard in normal use industrial at ambient temperature. For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. NA NA

SECTION V – FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Foam or water spray, CO2, dry chemical, water.
EXTINGUISHING MEDIA WHICH MUST NOT BE USED:	Water in a jet may disperse fire.
COMBUSTION PRODUCTS RESULTING GASES:	Under fire conditions polymers decompose. The smoke may contain polymer fragments of varying compositions in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to Carbon monoxide. Carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES:	Move all the combustible material away from place of fire. Fight the fire downwind and always under a safe distance from fire. Keep chilled with water the equipments under flames.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:	Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). If protective equipment is not available or not used, fight fire from a protected location or a safe distance.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	EYES: wear safety glasses
	SKIN: where contact may occur with hot material, wear thermal resistant
	gloves
ENVIRONMENTAL PRECAUTIONS:	LEAKAGE AND SPILLAGE: Recover in container for disposal
	TREATMENT AND FINAL DISPOSAL: According to applied local
	environment laws
	ENVIRONMENTAL IMPACTS: Water and soil contamination
METHODS FOR CLEANING UP:	Transfer to a labeled, salable container for product recovery or safe disposal
	as required by local, state, federal, international or country specific regulations.

SECTION VII – HANDLING AND STORAGE

HANDLING:	Temperature Ambient
STORAGE:	Temperature Ambient
PRECAUTIONS:	To be stored dry and away from all sources of heat and light.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA: NC (ACGIH (TLV) [USA])
TWA: NC (OSHA (PEL) [USA])
IDLH: NC (NIOSH [USA])
Not required
Where contact may occur with hot material, wear thermal resistant gloves.
Wear safety glasses.
DISPOSAL:
Place in suitable containers for recycle or disposal
Consult an expert on disposal of recovery material and ensure conformity to local disposal regulations

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
APPEARANCE:	White bales
ODOUR:	Rubber-like
MOLECULAR WEIGHT:	ND
pH:	Not Applicable
BOILING POINT:	Not Applicable
MELTING POINT:	Not Applicable
FLASH POINT:	Not Applicable
AUTOIGNITION TEMPERATURE:	Not determined
EXPLOSIVE LIMIT:	
LOWER	Not Applicable
UPPER	Not Applicable
VAPOR PRESSURE (mm Hg):	Negligible
RELATIVE DENSITY (water =1):	0,89
WATER SOLUBILITY at 20 ℃:	Insoluble
SOLUBILITY:	Soluble in aromatics, aliphatic solvents and chlorinated hydrocarbons
VOLATILES (% BY VOLUME):	0,75 (water)
VISCOSITY:	Not Applicable
VOC CONTENT VOLATILES:	Negligible

SECTION X – STABILITY AND REACTIVITY

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	Oxidizing conditions, extreme temperatures
MATERIALS TO AVOID:	Strong oxidizers, strong acids
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon under burning conditions

SECTION XI – TOXICOLOGICAL INFORMATION

EYE CONTACT:	May cause irritation or corneal injury due to mechanical action. Vapors/fumes released during thermal processing may cause eye irritation.
SKIN CONTACT:	Essentially non-irritating to skin. Skin absorption is unlikely due to physical properties.
INGESTION:	Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations. Single dose oral LD50 has not been determined.
INHALATION:	At room temperature, vapors are minimal due to physical properties. Vapors/fumes released during thermal processing may cause respiratory irritation.
CHRONIC EFFECTS ON HUMANS:	No chronic hazards have been observed.

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY:	Based largely or completely on information for similar material(s): Material is practically non-toxic to aquatic organisms on an acute basis (LC50 or EC50 >100 mg/L in the most sensitive species tested).
DEGRADATION & PERSISTENCE:	Photodegradation occurs with product exposure to sunlight.
MOVEMENT & PARTITIONING:	No bioconcentration of the polymeric component is expected because of its high molecular weight.
BIOACCUMULATION:	There is no bioacumulation expectation according to high molecular weight. In terrestrial environment is expected that the material remains in teh soil.
OTHER ADVERSE EFFECTS:	ND

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Follow all federal, state and local regulations. Recondition or dispose of empty container in accordance with governmental regulations.

SECTION XIV – TRANSPORT INFORMATION

LAND TRANSPORT (DOT): SEA TRANSPORTN (IMDG): AIR TRANSPORT (ICAO/IATA): IDENTIFICATION NUMBER (UN/NA): Not Regulated TYPE:

Not Regulated Not Regulated Not Regulated Not dangerous product

SECTION XV – REGULATORY INFORMATION

TSCA STATUS:

DSL – CANADA: ENCS - JAPAN: ECL-KOREA: AICS - AUSTRALIA: **PICCS – PHILIPPINES:** CECS - CHINA: PAC - ASIA:

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. Included on inventory Included on inventory

SECTION XVI – OTHER INFORMATION

RISK PHRASES:

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

ABBREVIATIONS:

NA: not applicable NC.: not classified ND: not available ACGIH: American Conference of Governmental Industrial Hygienists. CAS: Chemical Abstract Service. LC50: The concentration in air that causes death in 50% of the animals exposed. LD50: The dose that causes death in 50% of the animals exposed. mg/m³: Milligrams of substance per cubic meter of air; method of expressing the concentration of a substance in air. NFPA: National Fire Protection Association. NIOSH: National Institute for Occupational Safety and Health. OSHA: Occupational Safety and Health Administration. PEL: Permissible Exposure Limits. TLV: Threshold Limit Value. TWA: Time Weighted Average. STEL: Short Term Exposure Limit IDLH: Immediately Dangerous to Life and Health MSDS: Material Safety Data Sheet

REFERENCE:

1. Safety Data Sheet Directive, according to REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL, of 18 December 2006, article 31, Requirements for Safety Data Sheets and ANNEX II, GUIDE TO THE COMPILATION OF SAFETY DATA SHEETS.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT, HOWEVER, LANXESS MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THEIR USE THEREOF. LANXESS ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.