

SECTION I PRODUCT IDENTIFICATION & EMERGENCY INFORMATION**PRODUCT NAME****Butyl Rubber****CHEMICAL NAME**

Isobutylene - Isoprene Copolymers

CHEMICAL FAMILY

Isobutylene - Isoprene Copolymers

PRODUCT APPEARANCE

Colorless to amber or milky white rubbery solid.

EMERGENCY TELEPHONE NUMBERS: EXXON CHEMICAL AMERICAS
CHEMTREC**713-879-6000**
800-424-9300**SECTION II HAZARDOUS COMPONENTS OF MIXTURES**

THE PRECISE COMPOSITION OF THIS MIXTURE IS PROPRIETARY INFORMATION. A MORE COMPLETE DISCLOSURE WILL BE PROVIDED TO A PHYSICIAN OF NURSE IN THE EVENT OF A MEDICAL EMERGENCY. THE FOLLOWING COMPONENTS ARE DEFINED HAZARDOUS IN ACCORDANCE WITH 29CFR1910.1200:

Not applicable for this product.

For additional information see Section III.

SECTION III HEALTH INFORMATION AND PROTECTION**FIRST AID & NATURE OF HAZARD****EYE CONTACT:**

This product is an inert solid. If in eye, remove as one would any foreign object.
Particulates may scratch eye surfaces/cause mechanical irritation.
No hazard in normal industrial use.

SKIN CONTACT:

First aid is normally not required.
For hot product, immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.
No hazard in normal industrial use.
Exposure to hot material may cause thermal burns.

INGESTION:

First aid is not applicable.
No hazard in normal industrial use.

INHALATION:

First aid is not applicable.
Negligible hazard at ambient temperature (-18 to 38 Deg C).

ACUTE TOXICITY DATA IS AVAILABLE UPON REQUEST**PERMISSIBLE EXPOSURE LIMIT; OSHA REQUIRES (29CFR1910.1000):**

5 mg/m3 (respirable dust), and 15 mg/m3 (total dust) based on the OSHA PEL for nuisance dust.

THRESHOLD EXPOSURE LIMIT; ACGIH RECOMMENDS:

5 mg/m3 (respirable dust), and 10 mg/m3 (total dust) based on the ACGIH TLV for Nuisance Dust.

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PERSONAL PROTECTION

For open systems where contact is likely, wear safety glasses with side shields.
Where contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield.
Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION

Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

SECTION IV FIRE & EXPLOSION HAZARD

FLASHPOINT DEG. F : 482 METHOD: NOTE: Decomposes
FLAMMABLE LIMITS-LEL: UEL: NOTE: Not Applicable
AUTOIGNITION TEMPERATURE DEG. F : NOTE: Not Applicable

GENERAL HAZARD

Solid material, may burn at or above the flashpoint, and airborne dust may explode if ignited.
If thermally decomposed, flammable/toxic gases may be released.
Toxic gases will form upon combustion.

FIRE FIGHTING

Use water spray to cool fire exposed surfaces and to protect personnel.
Isolate "fuel" supply from fire.
Extinguish the fire by cooling with water spray.
Respiratory and eye protection required for fire fighting personnel.

HAZARDOUS COMBUSTION PRODUCTS

Oxygen-lean conditions may produce carbon monoxide and irritating smoke.

SECTION V SPILL CONTROL PROCEDURE**LAND SPILL**

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is an EPA hazardous substance (See Section X, Page 4) notify the U.S. EPA if appropriate.

Recover spilled material and place in suitable containers for recycle or disposal.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL

Prevent additional discharge of material, if possible to do so without hazard. Advise authorities if floating material enters a watercourse or sewer. If possible, try to contain floating material.
Skim from surface.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

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EXON

CHEMICALS

MATERIAL SAFETY DATA SHEET

PAGE 3

05/14/85 PRODUCT NAME: Butyl Rubber

NO. 301

SECTION VI NOTES

CAS NUMBER: 9010-85-9

1. Fire is accompanied by evolution of dark smoke with an acrid odor, and may cause tearing.
2. Applicable grades of Butyl Rubber are: 065, 077, 165, 268, 278, 365;
MD 82-1

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SECTION VII TYPICAL PHYSICAL & CHEMICAL PROPERTIES

SP. GRAVITY 0.92	REF. TEMP., °F (solid)	VAPOR PRESSURE, mmHg at °F Not Applicable
SOLUBILITY IN WATER, WT. % at °F Insoluble		VISCOSITY OF LIQUID, cSt at °F Not Applicable
SP. GRAVITY OF VAPOR, at 1 ATM AIR-1 Not Applicable		FREEZING MELTING POINT/RANGE, °F Not Applicable
EVAPORATION RATE, n-BU ACETATE-1 Not Applicable		BOILING POINT/RANGE, °F Not Applicable

SECTION VIII REACTIVITY DATA

STABILITY? Stable	HAZARDOUS POLYMERIZATION OCCUR? Will not occur
CONDITIONS TO AVOID INSTABILITY Not Applicable	CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION Not Applicable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY
None

HAZARDOUS DECOMPOSITION PRODUCTS
Flammable hydrocarbons

SECTION IX TRANSPORT & STORAGE

ELECTROSTATIC ACCUMULATION HAZARD
No, but use proper grounding procedure

STORAGE TEMPERATURE, °F Ambient	LOADING/UNLOADING TEMPERATURE, °F Ambient
STORAGE/TRANSPORT PRESSURE, mmHg Atmospheric	VISCOSITY AT LOADING/UNLOADING TEMPERATURE, cSt Not Applicable;

SECTION X HAZARD CLASSIFICATION

U.S. DOT CLASSIFICATION Not Regulated	EPA HAZARDOUS SUBSTANCE Not applicable	AMOUNT LBS.
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ADDITIONAL INFORMATION
Not Available

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SECTION VI - REACTIVITY DATA

Stability

Unstable: Conditions to Avoid: Not Available

Stable: X

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition Products: None under normal use conditions; oxides of carbon when burned.

Hazardous Polymerization

May Occur: Conditions to Avoid: Not Available

Will Not Occur: X

SECTION VII - SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released or Spilled: Dike and contain spill with inert material (sand, earth, fuller's earth, etc.) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution of OAKITE or equivalent. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spill out of all sewers and open bodies of water.

Waste Disposal Method: Incinerate liquid in approved equipment. Landfill contaminated diking material according to current local, state and federal regulations.

SECTION VIII- SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): None required for normal operations.

Ventilation

Local Exhaust: Normal room ventilation Special:

Mechanical (General): Other:

Protective Gloves: Impervious Eye Protection: Splash goggles

Other Protective Equipment: Eyewash facility (ANSI Z87.1, 1968)
Impervious apron

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Avoid open flames, excessive heat.

Other Precautions: None

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