BUTYL RUBBER BK - 1675N
MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	BK-1675N
CHEMICAL NAME:	Isoprene copolymers
CHEMICAL FAMILY:	Isoprene copolymers
PRODUCT DESCRIPTION:	White to amber rubbery solid.

II. COMPOSITION / INGREDIENTS INFORMATION

Butyl rubber contains moisture, stabilizer (Agidol - 2 or Irganox - 1010) and antiaglomerate (calcium stearate or zinc stearate). Stabilizer and antiaglomerate are not discharged into the atmosphere during processing butyl rubber into finished goods.

Stabilizer Agidol -2 is a white crystalline combustible powder. Flash point in the open crucible is 172°C, ignition point is 208°C, the standard temperature of spontaneous ignition is 352 ^{0}C. Agidol -2 is permitted for use as a stabilizer of rubber that is used in food industry, in water pipelines, and children toys production.

Stabilizer Irganox - 1010 is white crystalline combustible powder. Ignition point is 288°C. Meets all requirements for use as a stabilizer in rubber that is used in medicine.

Zinc Stearate is white crystalline powder or paste. The standard temperature of spontaneous ignition is 900°C. Maximum permissible concentration in work area is 4 mg/m^3.

Calcium Stearate is a white powder. The standard temperature of spontaneous ignition is 560°C. Maximum permissible concentration in work area is 10 mg/m^3.

III. HAZARDS IDENTIFICATION AND FIRST AID MEASURES

POTENTIAL HEALTH EFFECTS

EYE CONTACT:	Particulates may scratch eye surfaces and cause irritation.
SKIN CONTACT:	No hazard in normal industrial use. Exposure to hot material may cause thermal burns.
INHALATION:	Negligible hazard at ambient temperatures (-18°C to 38°C).
INGESTION:	No hazard in normal industrial use.

FIRST AID

EYE CONTACT:	This product is an inert solid. If in eye, remove as one would any foreign object.
SKIN CONTACT:	For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should

be made to remove material from the skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

INHALATION: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION: First aid is not applicable.

IV. FIRE-FIGHTING MEASURES.

FLASHPOINT: >180°C

FLAMMABLE LIMITS: Not Applicable

AUTOIGNITION TEMP: 560°C

GENERAL HAZARD: Solid material, may burn at or above flashpoint, and airborne dust may explode if ignited. If thermally decomposed, flammable gases may be released. Fire is accompanied by the evolution of dark, acrid smoke which may cause lachrimation.

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

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:

Under oxygen lean conditions, Carbon Monoxide and irritating smoke may be produced.

V. ACCIDENTAL RELEASE MEASURES

LAND SPILL: 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: 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.

VI. STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD: No.

STORAGE TEMPERATURE, ^{0}C: Ambient

LOADING/UNLOADING TEMPERATURE, ^{0}C: Ambient

STORAGE/TRANSPORT PRESSURE, mmHg: Atmospheric

STORAGE AND HANDLING: This material is not a static accumulator, but use proper grounding procedures.

VII. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit.

PERSONAL PROTECTION: For open systems at ambient temperatures (-18°C to 38°C) where contact is likely, wear safety glasses. Where contact may occur

with hot material, wear thermal resistant gloves, arm protection, and a face shield.

PERMISSIBLE EXPOSURE LIMITS:

5 mg/m^3 - respirable dust, and 15mg/m^3 - total dust.
TWA=10mg/m^3 for inhalable particulate (total dust)
TWA=3mg/m^3 for respirable particulate (total dust)

VIII. STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: None
HAZARDOUS DECOMPOSITION PRODUCTS: Flammable Hydrocarbons.

IX. TOXICOLOGICAL INFORMATION

Please refer to section III for available information on potential health effects.

X. ECOLOGICAL INFORMATION.

No specific ecological data are available on this product. Please refer to section V for information regarding accidental releases.