

MATERIAL SAFETY DATA SHEET

(NB B3250)

● **SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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|--------------------------|--|-------------------------|-----------|
| ■ SUBSTANCE: | Acrylonitrile butadiene Copolymer Rubber | | |
| ○ MSDS NO: | LGPCD-4100E | | |
| ○ COMPANY IDENTIFICATION | | | |
| COMPANY: | LG Chem, LTD. Daesan Plant | | |
| ADDRESS: | 679,DAEJUK-RI, DAESAN-UP, SEOSAN-CITY, CHUNGCHONGNAM-DO, KOREA | | |
| ○ EMERGENCY TELEPHONE NO | 82-41-661-2701 | | |
| ○ PLANT: | Synthetic Rubber production | ○ CAS NUMBER: | 9003-18-3 |
| ○ CREATION DATE: | 01/01/2006 | ○ REVISION NUM': | 0 |

● **SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS**

| | |
|-----------------------------|-----------------------------------|
| ○ COMPONENT: | Acrylonitrile butadiene Copolymer |
| ○ TRADE NAMES/ SYNONYMS: | NB B3250 / NBR |
| ○ CHEMICAL FAMILY: | NE |
| ○ CAS NUMBER: | NE |
| ○ PERCENTAGE (%): | NE |

● **SECTION 3 HAZARDS IDENTIFICATION**

- NFPA RATINGS (SCALE 0-4)

| HEALTH | FIRE | REACTIVITY |
|--------|------|------------|
| 1 | 1 | 0 |

Hazard Rating : 0=Insignificant, 1=Slight, 2=Moderate, 3=High, 4=Extreme

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| <ul style="list-style-type: none"> ○ EMERGENCY OVERVIEW: If exposed to excessive heat or open flame, the product will burn. CHANGE IN APPEARANCE: Solid COLOR: Light tan PHYSICAL FORM: Flammable powder ODOR:NA MAJOR HEALTH HAZARDS: NE ○ POTENTIAL HEALTH EFFECTS ○ INHALATION: NE SHORT TERM EFFECTS: NE LONG TERM EFFECTS: NE ○ SKIN CONTACT: SHORT TERM EFFECTS: No known effect. This material is a high molecular weight polymer. LONG TERM EFFECTS: None known |
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- EYE CONTACT:
SHORT TERM EFFECTS: NE
LONG TERM EFFECTS: NE
- INGESTION:
SHORT TERM EFFECTS: NE
LONG TERM EFFECTS: NE
- CARCINOGEN STATUS:
OSHA: NE
NTP: NE
IARC: NE

NA: Not Applicable NE: Not Established

● SECTION 4 FIRST AID MEASURES

- INHALATION: NE
- SKIN CONTACT: NE
- EYE CONTACT: NE
- INGESTION: NE
- NOTE TO PHYSICIAN: NE

● SECTION 5 FIRE FIGHTING MEASURES

- FLASH POINT: NA
- AUTOIGNITION: NE
- LOWER FLAMMABLE LIMIT: NA
- UPPER FLAMMABLE LIMIT: NA
- FLAMMABILITY CLASS (OSHA): NE
- EXTINGUISHING MEDIA: Water, dry chemical, CO₂, foam.
- FIREFIGHTING: During emergency conditions, overexposure to thermal decomposition products may cause a health hazard. An approved self-contained breathing apparatus should be worn.
- HAZARDOUS COMBUSTION PRODUCTS: When exposed to flame, emits acrid fumes. No explosive hazards expected.

● SECTION 6 ACCIDENTAL RELEASE MEASURES

- OCCUPATIONAL SPILL: Sweep, shovel, vacuum into container for disposal or reuse.

● **SECTION 7 HANDLING AND STORAGE**

- Keep away from excessive heat and open flame.

● **SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION**

- EXPOSURE LIMITS: NE
- VENTILATION: If heated enough fresh air should flow past user in order to remove smoke and fume from work area.
- EYE PROTECTION: NA
- CLOTHING: NE
- GLOVES: NE
- RESPIRATOR: Under normal conditions of use, respiratory protection should not be required.

● **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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| DESCRIPTION: | Acrylonitrile Butadiene Copolymer Rubber |
| PHYSICAL STATE: | Bale |
| ODOR | NA |
| COLOR: | Light tan |
| MOLECULAR WEIGHT | NE |
| MOLECULAR FORMULA: | NE |
| BOILING POINT: | NA |
| FREEZING POINT: | NE |
| VAPOR PRESSURE | NA |
| VAPOR DENSITY (air=1): | NE |
| SPECIFIC GRAVITY (water=1): | NE |
| WATER SOLUBILITY: | Insoluble |
| p H : | NE |
| SOLVENT SOLUBILITY: | NE |
| VOLATILITY: | 0.5 max. % |
| SPECIFIC GRAVITY | 0.99 |
| VAPOR DENSITY | NA |
| ODOR THRESHOLD: | NE |
| EVAPORATION RATE: | NE |
| VISCOSITY: | NE |
| COEFFICIENT OF WATER/OIL DISTRIBUTION: | NE |
| SOLVENT SOLUBILITY: | NE |

● SECTION 10 STABILITY AND REACTIVITY

- REACTIVITY: NE
- CONDITIONS TO AVOID: Material is stable
- INCOMPATIBILITIES: NE
- ETHERS: NE
- HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide, hydrogen cyanide, oxides of nitrogen trace amounts of aromatic and aliphatic hydrocarbons.
- POLYMERIZATION: NE

● SECTION 11 TOXICOLOGICAL INFORMATION

- IRRITATION DATA: NE
- TOXICITY DATA: NE
- CARCINOGEN STATUS: NE
- ACUTE TOXICITY LEVEL: NE
- TARGET EFFECTS: NE
- REPRODUCTIVE EFFECTS DATA: NE
- ECOTOXICITY DATA: NE
- FISH TOXICITY: NE
- INVERTEBRATE TOXICITY: NE
- AT INCREASED RISK FROM EXPOSURE: NE
- ALGAL TOXICITY: NE
- FATE AND TRANSPORT: NE
- ENVIRONMENTAL SUMMARY: NE

- HEALTH EFFECTS: NE
- INHALATION: NE
- NARCOTIC.
 - ACUTE EXPOSURE: NE
 - CHRONIC EXPOSURE: NE

- SKIN CONTACT:
 - ACUTE EXPOSURE: NE
 - CHRONIC EXPOSURE: NE

- EYE CONTACT:
 - ACUTE EXPOSURE: NE
 - CHRONIC EXPOSURE: NE

- INGESTION:
 - ACUTE EXPOSURE: NE
 - CHRONIC EXPOSURE: NE

● SECTION 12 ECOLOGICAL INFORMATION

- ENVIRONMENTAL IMPACT RATING (0-4): NE
- ACUTE AQUATIC TOXICITY: NE
- DEGRADABILITY: NE
- LOG BIOCONCENTRATION FACTOR (BCF): NE
- LOG OCTANOL/WATER PARTITION COEFFICIENT: NE

● **SECTION 13 DISPOSAL CONSIDERATIONS**

Incinerate or treat in accordance with applicable environmental control regulations. Recycle if possible based upon Most recent process knowledge this product, as solid, would not be hazardous waste (it disposed) per 40CFR261.24.

● **SECTION 14 TRANSPORT INFORMATION**

United State: NE
Basic description: NA
Freight description: Rubber, Synthetic, Crude.
Primary hazard class: NA
Subsidiary hazard class: NA
Labels required: None
Reportable quantity: NA

● **SECTION 15 REGULATORY INFORMATION**

The components of this material are included in the US EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory. This product does not contain a SARA S-313 Toxic chemical above the de minimis thresholds. Vinyl chloride is regulated by OSHA Standard 29 CFR Part 1910.1017

● **SECTION 16 OTHER INFORMATION**

The material is classified as non-hazardous as defined by the OSHA Hazard Communication Standard CFR Title 29 part 1910.1200 and the WHMIS Canadian legislation.