



# เอกสารเพื่อความปลอดภัยในการปฏิบัติงานกับสารเคมี **BST Nitrile Butadiene Latex (8503, 8503S)**

รหัสเอกสาร S-PSM-BL-S01050 วันที่มีผลบังคับใช้ 26 มกราคม 2569  
พิมพ์ครั้งที่ 1 หน้า 2/10 ID-0136/26

## 3. Composition/ Information on Ingredients

- 3.1 Chemical type (Substance/Mixture)** : Mixture  
**3.2 Chemical identity** : Carboxylated Acrylonitrile Butadiene Latex  
**3.3 Common name and synonym** : Not available  
**3.4 CAS number** : 9010-81-5  
**3.5 EC number** : Not available  
**3.6 Impurities and stabilizing additives** : Not available  
**3.7 Ingredient :**

Substances	CAS No.	EC No.	% by weight
Carboxylated Butadiene Acrylonitrile Polymer	9010-81-5	-	40-50%
Water	7732-18-5	-	50-60%

## 4. First Aid Measures

### 4.1 Description of first aid measures

**Skin** : Wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops.

**Eyes** : Immediately flush eyes with large quantities of clean water for at least 15 minutes. Consult a physician.

**Inhalation** : Remove affected individual(s) to fresh air. Seek medical attention if breathing difficulty develops.

**Ingestion** : If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects :

**Skin** : Short single exposure not likely to cause significant skin irritation. Prolonged and repeated exposure may cause slight skin irritation. Material may stick to skin causing irritation upon

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removal. A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

**Eyes** : Direct contact with this material may cause eye irritation including tearing and redness. Corneal injury is unlikely.

**Inhalation** : Inhalation of vapor may cause irritation to the respiratory tract (nose, throat, and Lungs) with good ventilation; single exposure to vapors is not likely to be hazardous.

**Ingestion** : Single dose oral toxicity is considered to be extremely low. Ingestion (swallowing) may irritate the mouth, throat, and stomach. No hazards anticipated from swallowing small amounts incidental to normal handling

**Potential Chronic health effects** : No known significant effects or critical hazards

#### 4.3 Indication of any immediate medical attention and special treatment needed Notes to :

No specific antidote. Supportive care, treatment based on judgment of the physician in response to reactions of the patient.

## 5. Fire Fighting Measures

### 5.1 Extinguishing Media

**Suitable Extinguishing Media** : To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical or foam.

**Unsuitable Extinguishing Media** : Not available

### 5.2 Special Exposure Hazards

**Hazards from the substance or mixture** : Not available

**Hazardous decomposition Products** : Under fire conditions, some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to hydrocarbons, carbon monoxide and dense smoke.

### 5.3 Advice for Firefighters

**Special Fire-Fighting Procedures** : Not available

**Special Protective Equipment for Firefighters** : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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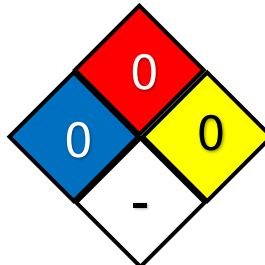
## 5.4 NFPA 704 Diamond

Health hazard (Blue) : 0

Fire hazard (Red) : 0

Reactivity (Yellow) : 0

Specific hazard (White) : -



## 5.5 Fire and explosion protection : Not available

## 6. Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures :** Avoid unnecessary exposure and contact. Barricade the area to restrict access. Person's not wearing protective equipment (see Section 8) should be excluded from the area of the spill until clean-up has been completed.

**6.2 Environmental precautions :** Stop leak at source when it is safe to do so. Dike and contain spill. Prevent spilled material from contaminating soil or entering drains, sewers, streams or other bodies of water.

**6.3 Methods and materials for containment and cleaning up :** Avoid dilution with water to minimize the extent of the spill. Recover and recycle spilled latex if possible, otherwise, collect with chemical absorbent material and transfer to appropriate containers for disposal. Water may be used for final cleaning of affected area.

**6.4 Spill Management :** Not available

## 7. Handling and Storage

**7.1 Precautions for safe handling :** Practice reasonable care to avoid repeated, prolonged skin contact. An eye wash station and a safety shower should be readily accessible to workers wherever this material is stored or used.

**7.2 Conditions for safe storage, including any incompatibilities :** Keep from freezing. Storage at temperatures between 4°C and 45°C and avoiding exposure to direct sunlight. Material may develop bacteria odor on long-term storage. No safety problem known.

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## 8. Exposure Controls/ Personal Protection

### 8.1 Control parameters

**TLV-TWA (ACGIH)** : Not available

**TLV-STEL (ACGIH)** : Not available

**TLV-C (ACGIH)** : Not available

**IDLH (NIOSH)** : Not available

### 8.2 Personal protective equipment

**Respirators** : Respiratory protection is not generally required during normal use and handling. ANIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be necessary under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Skin** : Nitrile, neoprene®, or rubber gloves should provide protection against skin contact.

**Eyes** : Wear safety glasses with side shields or goggles.

**Other Protection** : Wear clean, long-sleeved, body-covering clothing.

### 8.3 Appropriate engineering controls

**Ventilation** : Good general ventilation should be sufficient to control airborne levels of irritating vapors. Local exhaust ventilation may be necessary for some operations.

## 9. Physical and chemical properties

### 9.1 General information Appearance

**Physical State** : Liquid

**Color** : Milky white liquid emulsion

**9.2 Odor** : Slight odor

**9.3 Odor threshold limit** : Not available

**9.4 pH** : 8.0 - 9.0

**9.5 Melting point** : Not available

**9.6 Freezing point** : 17.6 °F (-8 °C)

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**9.7 Boiling point** : 212 °F (100 °C)

**9.8 Flash point** : Not available

**9.9 Evaporation rate** : Not available

**9.10 Flammability (solid, gas)** : Not available

**9.11 Lower Flammability/Explosive limits (LFL/LEL)** : Not available

**9.12 Upper Flammability/Explosive limits (UFL/UEL)** : Not available

**9.13 Vapor pressure** : 17.5 mm Hg @ 68° F (20 °C)

**9.14 Vapor density** : Not available

**9.15 Relative density** : Not available

**9.16 Solubility** : Solubility in Water: Product as sold is dilutable. Polymer component is insoluble.  
Solubility in Other Liquids: No data available.

**9.17 Partition coefficient : n-octanol/water** : Not available

**9.18 Auto-ignition temperature** : Not available

**9.19 Decomposition temperature** : Not available

**9.20 Viscosity** : Not available

**9.21 Molecular Weight** : Not available

**9.22 Specific gravity (Water=1)** : 0.98 - 1.04

**9.23 Surface Tension** : Not available

## 10. Stability and reactivity

**10.1 Reactivity** : Not available

**10.2 Chemical stability** : This material is stable during storage and during intended use.

**10.3 Possibility of hazardous reactions** : Hazardous polymerization will not occur

**10.4 Condition to avoids** : Avoid freezing temperatures (less than 32 °F or 0 °C). Product can decompose at elevated temperatures.

**10.5 Incompatible materials** : Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.

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**10.6 Hazardous decomposition products** : Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Thermal decomposition may produce various hydrocarbons and irritating, acrid vapors.

## 11. Toxicological information

### 11.1 Information on toxicological effects

**Skin** : Short single exposure not likely to cause significant skin irritation. Prolonged and repeated exposure may cause slight skin irritation. Material may stick to skin causing irritation upon removal. A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

**Eyes** : Direct contact with this material may cause eye irritation including tearing and redness. Corneal injury is unlikely.

**Inhalation** : Inhalation of vapor may cause irritation to the respiratory tract (nose, throat, and Lungs) with good ventilation; single exposure to vapors is not likely to be hazardous.

**Ingestion** : Single dose oral toxicity is considered to be extremely low. Ingestion (swallowing) may irritate the mouth, throat, and stomach. No hazards anticipated from swallowing small amounts incidental to normal handling

**11.2 Potential Chronic health effects** : Not available

**11.3 Routes of Entry** : Ingestion, Skin, and Inhalation

### 11.4 Acute toxicity

#### 11.4.1 LD50

**Oral (mg/kg)** : Not available

**Dermal (mg/kg)** : Not available

#### 11.4.2 LC50

**Inhalation (ppm, mg/m<sup>3</sup>)** : Not available

**11.5 Carcinogenicity/Germ cell mutagenicity (GHS or IARC)** : Not Classified

- IRAC, NTP, OSHA, ACGIH, Regulation 1272/2008, USEPA: No listed

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## 12. Ecological Information

**12.1 Eco-Toxicity** : 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).

**12.2 Persistence and Degradability** : The polymeric component is not expected to biodegrade

**12.3 Bioaccumulative potential** : Not available

**12.4 Mobility in soil** : Not available

**12.5 Other adverse effects** : Latex dispersions will color water a milky white. No bio concentration of the polymeric component is expected because of its high molecular weight.

## 13. Disposal considerations

**13.1 Waste and safe handling information** : Observe all federal, state and local regulations disposing of this substance.

**13.2 Waste treatment methods** : DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

**13.3 Contaminated containers/Packages** : FOR UNUSED OR UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted recycler, reclaimer, incinerator or other thermal destruction device.

## 14. Transport information

**14.1 UN number** : Not available

**14.2 UN proper shipping name** : Not regulated

**14.3 Transport hazard class :**

U.S. DOT hazard class : Not regulated

Canada TDG hazard class : Not regulated

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Europe ADR/RID hazard class : Not regulated

IMDG Code (ocean) hazard class : Not regulated

ICAO/IATA (air) hazard class : Not regulated

**14.4 Packing group** : Not applicable

**14.5 Marine pollutant** : Not applicable

**14.6 Transport in bulk according to annex II of MARPOL73/78 and the ICB code** : Not available

**14.7 Special precautions** : Not available

**14.8 Further information** : Not available

## 15. Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1 Thailand Regulation

**Ministry of Labour** : Not available

**Ministry of Industry** : Not available

**Ministry of Public Health** : Not available

**Ministry of Natural Resources and Environment** : Not available

**Ministry of Transport** : Not available

**Further information** : Not available

#### 15.1.2 Federal and State Regulations (Foreign country) :

**CLP Regulation** : European Regulation (EC) No 1272/2008 on Classification, Labeling and Packaging of Substances and Mixtures: No data available.

**OSHA** : Components of this material is classified as a hazardous chemical under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA** : Section 8(b) - Inventory Status: All components of this material are listed on or are exempt from the US Toxic Substances Control Act (TSCA) inventory.

**SARA** : SARA Title III Section 313 Toxic Chemical List (TCL): To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

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SARA Hazard Category : This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: - A delayed health hazard.

**REACH Regulation** : Material is not listed

## 16. Other information

### 16.1 References :

MSDS of Dow Reichhold Specialty Latex LLC

### 16.2 Key or legend to abbreviations and acronyms used in the safety data sheet :

ACGIH	: American Conference of Governmental Industrial Hygienists
IARC	: International Agency for Research on Cancer
OSHA	: Occupational Safety and Health Administration
SARA	: Superfund Amendments and Reauthorization Act
TLV	: Threshold Limit Value
TSCA	: Toxic Substances Control Act
DOT	: Department of Transportation
LD50	: Lethal Dose 50%

### 16.3 Further information : Not available